1961 CATALOG

SKIL

AND SKILSAW POWER TOOLS

- Industrial Production
- Wood and Metalworking
- Construction
- Automotive Service
- Plant Maintenance
- Vocational Training

Send Orders and Inquiries to

MILL-POWER SUPPLY COMPANY

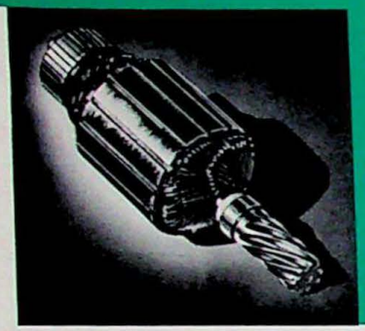
Box 1339 Tel. 375-5761

CHARLOTTE, N. C.

Quick-Find Index on Back Cover... Complete Index on Page 3

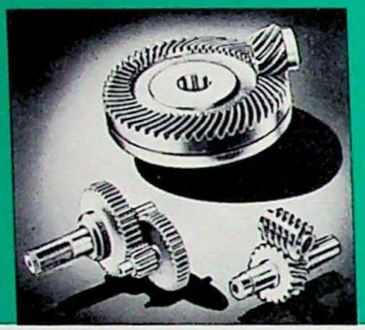
See 1961 "500 Line" Catalog for additional Skil Power Tools.

these SKIL features help you lower costs... increase production



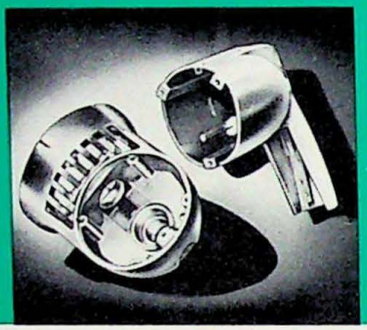
Powerful Universal Motors

Job-engineered, statically and dynamically balanced, run cool.



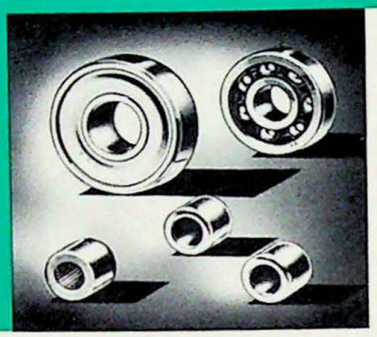
Precision Gears

High quality, alloy steel accurately heat-treated for long life.



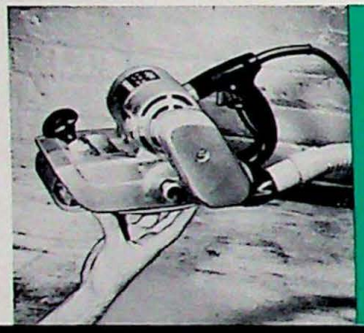
Light Sturdy Housings

Rugged and compact, yet lightweight aluminum housings.



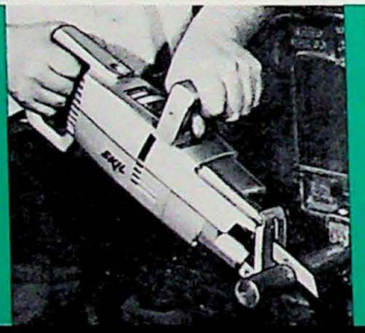
Heavy Duty Bearings

High strength, specially engineered to resist thrust or radial loads.



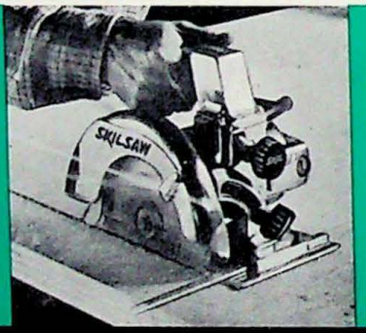
Handling Ease

Proper balance, light weight, functional handles, compact.



Convenient Controls

Trigger switches, contour handles, easy-to-use controls, new ideas.



Safety Features

Protective guards, enclosed switches, U.L. approved 3 wire cords.

Fast Factory Service

39 Factory Service Centers plus 67 Authorized Service Stations.

Your SKIL Power Tool Distributor Will Be Happy To Discuss Your Specific Job Problems With You and To Help You Select The Exact Models For Your Particular Requirements – TAKE Advantage of His Expert Power Tool Knowledge TODAY!

SKIL Corporation

5033 Elston Avenue • Chicago 30, Illinois • AVenue 6-2000 • 1961 Edition

APPLICATION INFORMATION

The use of new developments in plastics, laminates, metals and composition products has, in many cases, preceded complete information on how to work them.

We maintain a free advisory service which is constantly searching out the best method for working any new material used by manufacturers, builders or service industries. For specific cutting, drilling or finishing problems which cannot be solved by normal methods, contact your nearest SKIL Factory Service Center (see list on back cover) or write directly to us—SKIL Corporation.

YOUR SKIL GUARANTEE

Every SKIL product is thoroughly tested and inspected before it leaves our factory. Should it fail to give satisfactory service, return the complete product to our nearest Factory Service Center, to our Factory, or to an Authorized Service Station, with transportation charges prepaid. We guarantee to replace free of charge any part or parts found by us to be defective due to faulty material or workmanship, provided repairs have not been made or attempted by others. This guarantee does not cover damage caused by misuse, negligent handling, or normal "wear and tear". No other guarantee, written or verbal, on our products is authorized by us.

PRICES AND ORDERS

Prices of all SKIL tools and accessories are always net to the user unless otherwise indicated, and are subject to change without notice. Orders are subject to acceptance by the factory in Chicago, and will be invoiced at prices in effect on date of shipment. Applicable federal or state taxes will be added to published prices. To keep current price data in your hands, a complete numerical price list is issued separately at intervals. We reserve the right to substitute materials used in manufacture other than those specified in this catalog. Specifications subject to change without notice.

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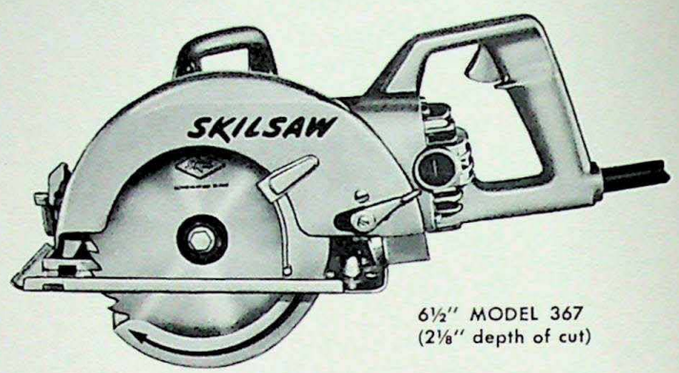
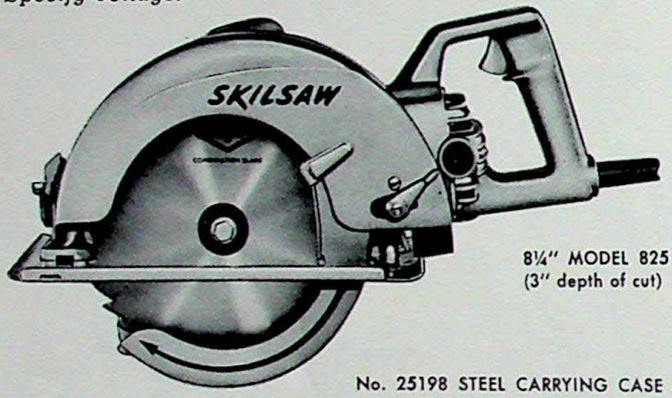
HIGH TORQUE, SUPER-DUTY WORM-DRIVE SAWS

Introducing the world's finest super-duty saws—three all-new versions of the world's best known saw models.

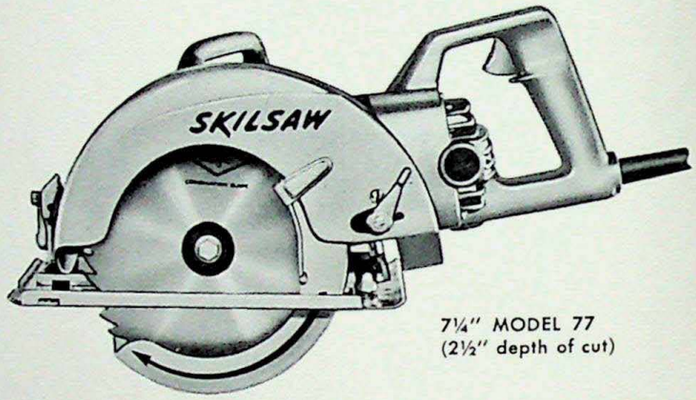
These all-new, even more powerful versions of famous Skilsaw Models 367, 77 and 825 are the result of over 36 years of saw leadership. They feature 12 major improvements plus new ruggedness, new handling ease, new styling. These new advantages are combined with traditional Skil features such as worm-drive gearing, all ball bearing construction, "Vari-Torque" clutch, and less tiring rear handle "swing-thru" cutting action. New B-P motors for "Burnout-Protection" develop tremendous power for fastest cutting of lumber, metal, stone, tough compositions. All three models have diamond arbors. To use 5/8" round arbor saw blades, adapter washers are available separately on special order. *Specify voltage.*



6½" MODEL 367
(2⅛" depth of cut)



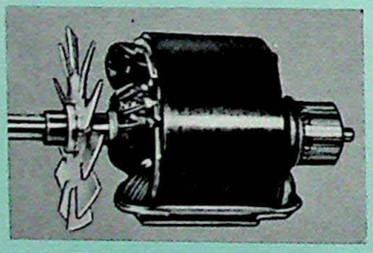
8¼" MODEL 825
(3" depth of cut)



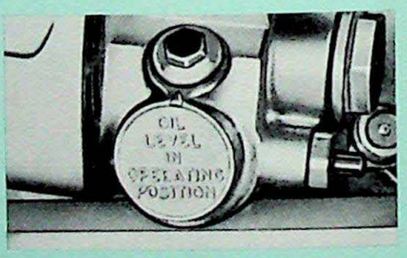
7¼" MODEL 77
(2½" depth of cut)

No. 25198 STEEL CARRYING CASE AVAILABLE FOR ALL THREE MODELS, SEE PAGE 11.

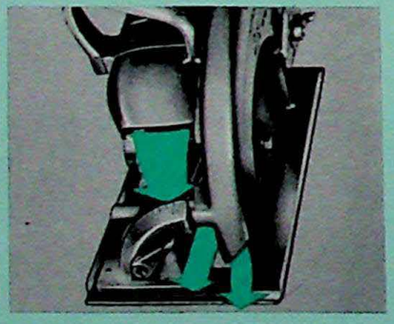
ALL-NEW SKILSAW MODELS 367, 77, & 825 HAVE THESE 12 BIG ADVANCES . . .



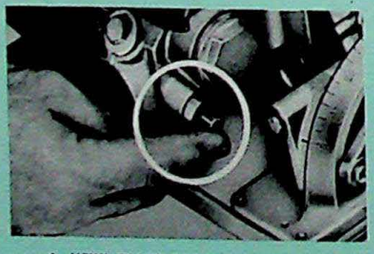
1. NEW! SKIL B-P MOTOR
Gives Burnout Protection even with frequent, excessive motor overloads. It's another Skil innovation—the result of over 2 years of basic research.



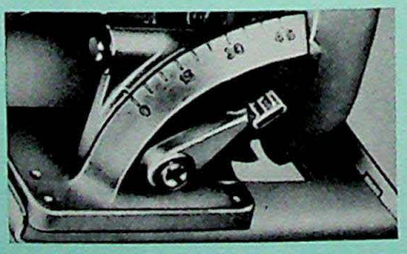
2. NEW! OIL LEVEL CONTROL
Oil filler plug is on side so gear case can be filled automatically to correct level for proper lubrication, coolest operation.



3. NEW! AIR FLOW HOOD
Directs cooling air over gear case for rapid heat dissipation. Air blasts out at front to keep line of cut clear.



4. NEW! BLADE LOCK
Push button engages and locks saw shaft for fast, easy blade changing. Another SKIL exclusive (pat. pending).



5. NEW! EASIER TO READ BEVEL GAUGE
Die cast gauge has large, raised and angled calibrations. "Micro-Adjust" screws assure accuracy through life of saw.

6. NEW! SEALED PRECISION BALL BEARINGS All bearings adjacent to oil in gear housings are larger; sealed for cooler running, longer life.

7. NEW! OIL PRESSURE RELIEF BELLOWS Sealed rubber bellows in gear case provide relief of oil pressure build-up; give better lubrication; cooler running performance.

8. NEW! PLASTIC COVERED TOP HANDLE Stronger, die cast top handle is plastic covered for more comfortable handling.

9. NEW! SAWDUST EXHAUST PORT Ejects dust at rear of upper guard deflecting it away from operator.

10. NEW! STRONGER STEEL FOOT Heat treated spring steel foot resists bending, twisting. Slides smoothly over work. Holes make it easy to install water feed.

11. NEW! AUTOMATIC TELESCOPING GUARD Lower guard can't bind even on miter cuts; automatically retracts when adjusting foot for bevel cuts.

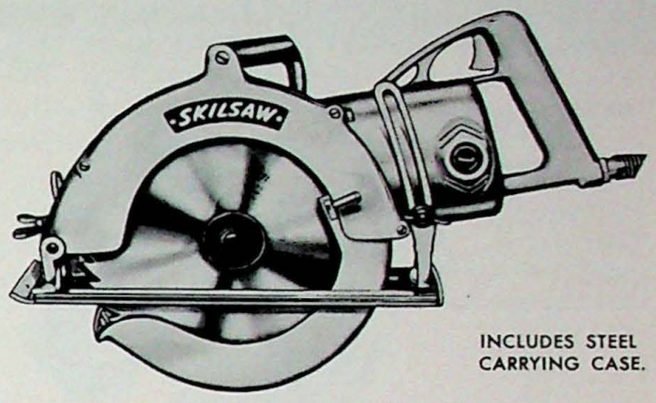
12. NEW! DUST PROOF SWITCH Completely enclosed, sealed trigger switch protects against dust for long life, minimum maintenance.

HIGH TORQUE, SUPER-DUTY WORM-DRIVE SAWS

10" MODEL 107 (3⅜" depth of cut)

Now features B-P motor for Burnout—Protection and more dependable big capacity cutting.

Easily handles continuous rip cutting in hardwoods, heavy lumber, wet or resinous woods with amazing speed, power. Excellent also for tough ferrous and non-ferrous metal cutting jobs. *Specify voltage.*



INCLUDES STEEL CARRYING CASE.

12" MODEL 127 (4⅜" depth of cut)

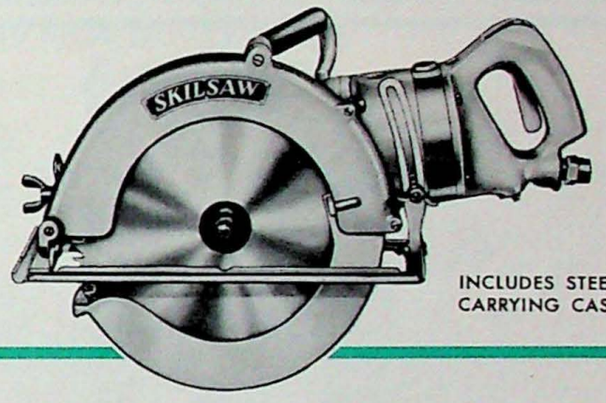
For mine, bridge, dam, railroad and boat building and other very heavy duty applications. New B-P motor for BurnOut - Protection.

This tremendously powerful, fast cutting saw makes short work of cutting heavy timbers. Combines traditional SKIL quality features and portability with huge 4⅜" depth of cut. *Specify voltage.*

12" AIR MODEL 2127 (4⅜" depth of cut)

Ideal for heaviest use where electric power is not available or where job conditions make compressed air power more practical.

Has the power and stamina to make short work of cutting heavy lumber for shoring work on bridge and dam construction and in mines and shipyards. Ideal also for cutting all masonry products. Stalling will not harm powerful air-operated motor. Requires 80 to 100 p.s.i. air pressure at 75 c.f.m. Use ½" i.d. air hose; over 25' length use ¾" i.d. hose.



INCLUDES STEEL CARRYING CASE.

6" GROOVER MODEL 177 (grooves 1¾" deep, 1" wide)

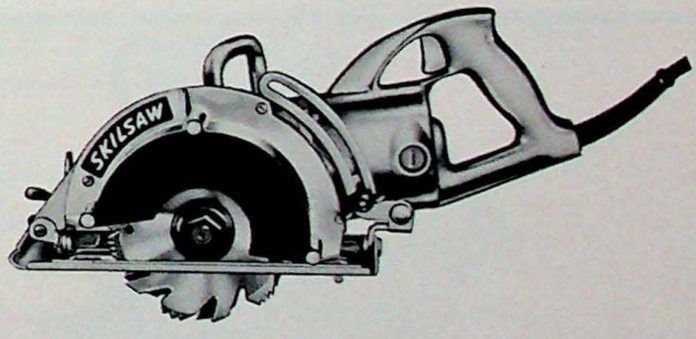
Use for dadoing, ploughing and grooving operations. Has new B-P motor for Burnout - Protection.

Blades not supplied. Order No. 321—6" Dado Set. For regular cutting, No. 389—7¼" Combination Blade is also available. (Both have ¾" round arbors—see Pages 8, 9.) *Specify voltage.*

7" GROOVER MODEL 117 (grooves 1¾" deep, 2 1/16" wide)

Gives maximum grooving capacity for heavy job requirements. Has new B-P motor for Burnout- Protection.

Blades not supplied. Order No. 4559—7" Dado Set. For regular cutting, No. 12613—10" Combination Blade is also available. (Both have ¾" round arbors—see Pages 8, 9.) *Specify voltage.*



SPECIFICATIONS

equipment: Combination blade (except Models 117, 177), blade wrench, lubricant, 3 wire cord and plug (2127 uses air hose). Steel Carrying Case furnished with Models 107, 127 and 2127.
motors: Universal, D.C. or A.C. up to 60 cycles
arbor: SKIL diamond arbor, except Models 117, 177 which have ¾" round arbor.
bearings: All ball-bearing construction.
voltages: Standard 115 (except 2127); furnished on order for 220 and other voltages at no extra cost.
switches: Enclosed double pole momentary contact trigger switches (except 2127).
guards: Safety telescoping guard shields blade when not cutting; safety retractor handle.
bevel adjustment: 0 to 45° (except Models 117, 177).

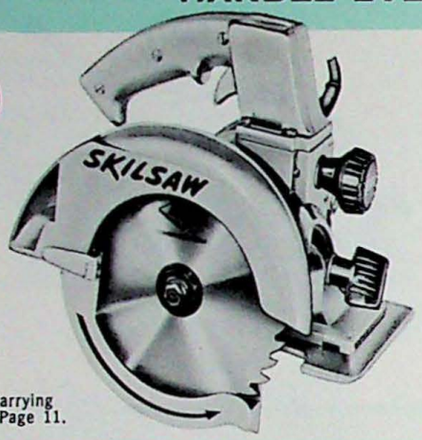
model no.	blade dia.	90° capacity of cut	45° capacity of cut	no. load speed, r.p.m.	115V. amp. rating	length overall	net wt. lbs.	ship. wt. lbs.
367	6½"	1/16 to 2⅛"	1¾"	4600	11	16"	16	20
77	7¼"	1/16 to 2½"	2"	4600	12	17¼"	17½	22
825	8¼"	1/16 to 3"	2⅜"	4600	13	17¾"	18½	24
107	9⅛"	1 to 3⅜"	2⅜"	3400	16.5	21"	31¼	49
127	11⅞"	2⅜ to 4⅜"	3¼"	2500	20	22"	34	57
2127	11⅞"	2⅜ to 4⅜"	3¼"	1600	—	22"	32½	57
177	6"*	0 to 1¾"	—	3200	10	18"	18	26
117	7"**	0 to 1¾"	—	2900	18	21"	34	44

*6" dado or 7¼" blade. **7" dado or 10" blade.

TOP HANDLE SUPER-DUTY SAWS

FOUR POWERFUL FAST-CUTTING MODELS HANDLE EVERY CUTTING REQUIREMENT

NEW!

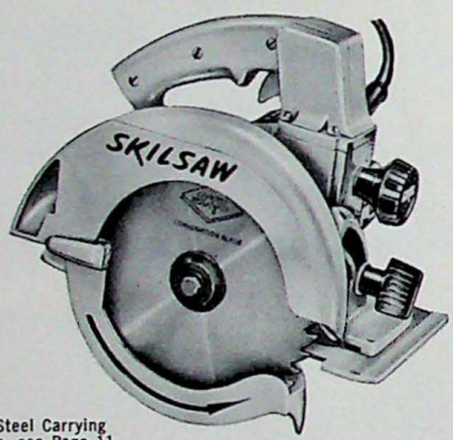


NO. 18495 Steel Carrying Case available, see Page 11.

6½" MODEL 856 (2⅛" depth of cut)

Newest, feature-packed Skil Top Handle Saw. New, exclusive Skil B-P Motor for "Burnout-Protection" even during frequent, excessive overloads.

Here's the perfect top handle saw for most home construction cutting requirements. This new, all ball bearing model has every convenience and safety feature of Skil's other top handle models (see next page). In addition, it has extra compactness and handling ease and lower cost. *Specify voltage.*

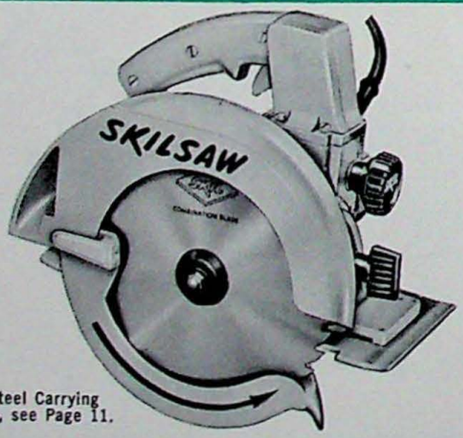


NO. 18495 Steel Carrying Case available, see Page 11.

7¼" MODEL 857 (2½" depth of cut)

Now improved! Features new Skil B-P Motor for "Burnout-Protection"; new power, new compactness.

Powerful 5800 r.p.m. motor delivers plenty of cutting torque, gives "Burnout-Protection" because it's built to withstand excessive overloads—the most common cause of motor failure. Also features improved commutation and new hardened alloy gears. All outstanding safety and convenience features have been retained (see next page) including "Floating" Guards,* Blade Lock,* "Vari-Torque" Clutch and all ball bearing construction. *Specify voltage.*



NO. 18495 Steel Carrying Case available, see Page 11.

8¼" MODEL 858 (2⅞" depth of cut)

New exclusive Skil B-P Motor for "Burnout-Protection" even during frequent overloads!

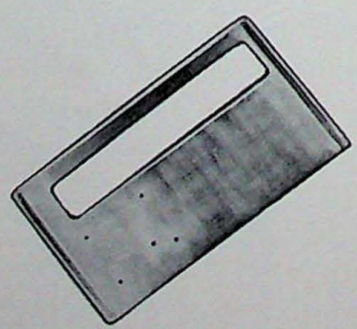
This big capacity all ball bearing saw handles virtually any cutting requirement. New B-P Motor is combined with other job-proven advantages including easy-to-use controls, "Floating" Guards,* exclusive Blade Lock,* "Sure-Grip" handle and "Vari-Torque" Clutch that protects against dangerous kickbacks. *Specify voltage.*

*Pat. Pending

"WRAP-AROUND" FOOT ASSEMBLIES

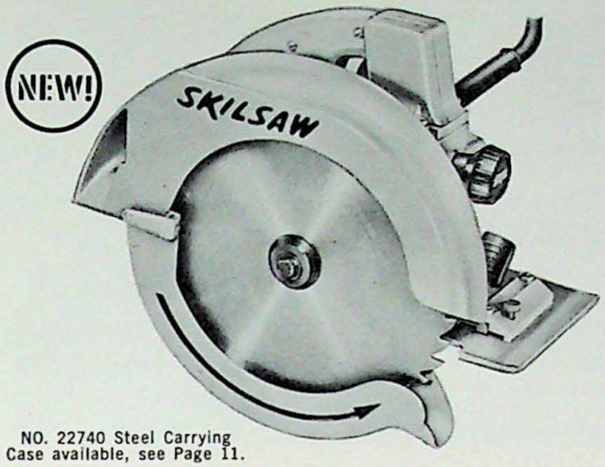
"Wrap-around" type foot assemblies are available for Skil Top-Handle Super-duty Saws. This type foot provides additional support and cutting ease and increases utility of saw on special applications.

for top-handle model	part no.
856 857 (type 2)	24147
857 (type 1)	25136
858 (type 1 and 2)	25137
860	23508



For Information on Blades, Rip Fences,

TOP HANDLE SUPER-DUTY SAWS



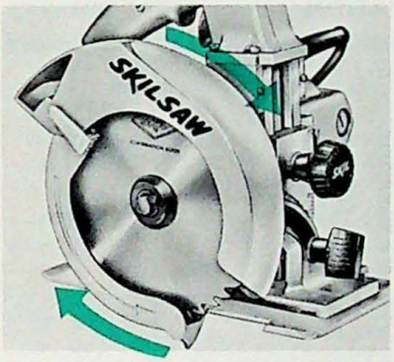
NO. 22740 Steel Carrying Case available, see Page 11.

10" MODEL 860 (3¾" depth of cut)

New big capacity model for heaviest duty construction and industrial use, farm work, mining, road and railroad maintenance.

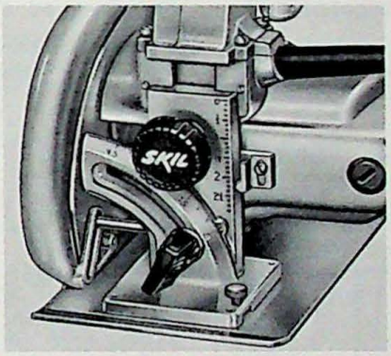
This new super-duty saw is far lighter, yet has a bigger capacity than any other 10" saw! B-P Motor delivers plenty of cutting power and has "Burnout-Protection" to withstand frequent, excessive motor overloads. Has all the other Skil Top-Handle Saw features (see below) for exceptional convenience and safety. *Specify voltage.*

ALL FOUR SKIL TOP-HANDLE MODELS HAVE THESE IMPORTANT ADVANTAGES



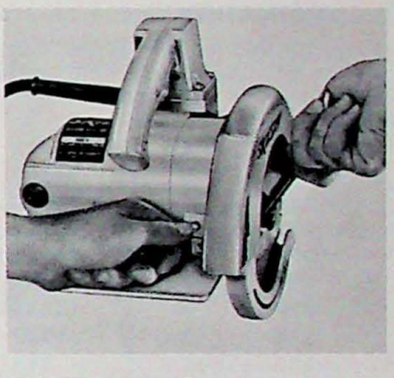
EXCLUSIVE FLOATING GUARDS *

Upper guard automatically rotates forward; lower guard rotates back as cutting depth decreases. Even on extremely shallow depth settings (as illustrated) blade is always covered. Lower guard never binds when entering work.



CONVENIENT CONTROLS

Large, plastic knob for fast, accurate, setting of direct-reading depth scale. Scale pointer easily resets to compensate for blade sharpenings. Bevel adjustment is also quick, positive.



BLADE-CHANGE LOCK *

Push-button engages and locks saw shaft for fast, easy blade changes. Another SKIL **exclusive** for greater convenience and safety.

- **"Vari-Torque" Clutches protect against dangerous kickback and saw damage.**
- **All Ball Bearing Construction — for dependable performance.**
- **Contoured, "Sure-Grip" Handle for safe, positive control.**
- **"Phantom" Pivot — allows deeper bevel even at 45° . . . provides single, easy-to-follow cutting guide edge.**
- **Air stream keeps sawdust off line of cut.**

*Pat. Pending

SPECIFICATIONS

equipment: Combination blade, diamond arbor inner and outer blade washers (round arbor inner and outer blade washers available at no extra cost — order card packed with saw), blade wrench, 3 wire cord and plug.

motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.

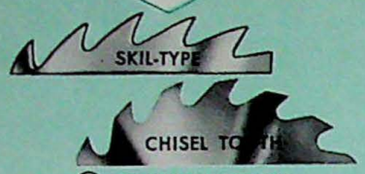
switches: Enclosed double-pole, momentary contact trigger type.

bearings: All ball bearing construction.

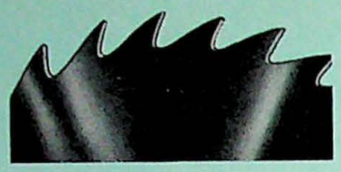
model no.	blade dia.	max. 90° depth of cut	max. 45° depth of cut	no load speed, r.p.m.	amp rating at 115V	overall length	net wgt. lbs.	shpg. wgt.
856	6½"	2⅛"	1¾"	5800	10	10¼"	13	17
857	7¼"	2½"	2"	5800	11	10¾"	14½	18½
858	8¼"	2⅞"	2⅜"	7000	13	12"	15¼	19¼
860	10"	3¾"	2 13/16"	5400	14	14"	17½	39½

other Accessories, see pages 8 thru 12.

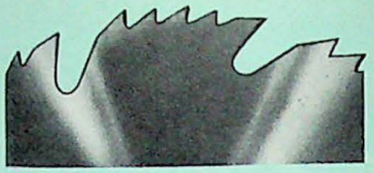
SAW BLADES
FOR SKIL AND OTHER MAKES OF POWER SAWS



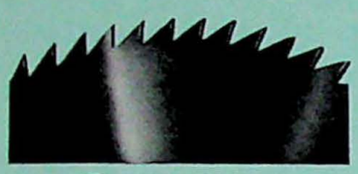
Ⓐ COMBINATION



Ⓑ HARD TOOTH COMBINATION



Ⓒ NOVELTY COMBINATION



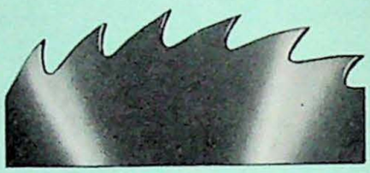
Ⓓ CROSS-CUT

How To Select Saw Blades

High Quality SKIL Saw Blades are available with diamond, round or square arbors. Select diamond arbor blades for use with all SKILSAW Power Saws except the following round arbor models:

model	arbor size	model	arbor size
502	⅝″	536	⅝″
504	½″	836	⅝″
533	½″	552 (type 9)	⅝″
604	½″	553 (type 6)	⅝″
537	⅝″	554 (type 6)	⅝″

Select round or square arbor blades for other makes of portable and table saws.



Ⓔ RIP

Ⓐ COMBINATION

For cross-cut and rip work in soft woods, general carpentry. Most frequently used, most popular SKIL Saw Blade. NOTE: PART NUMBERS SHOWN IN GREEN ARE CHISEL TOOTH COMBINATION BLADES. ALL OTHERS ARE SKIL-TYPE.

DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches
376	5⅞	17012	4¼	½ Rd.
11395	6	20677	5½	½ Rd.
16122	6½	12610	6	½, ⅝ Rd.
377	7¼	16967	6	½ Sq.
871	8	13834	6¼	⅝, ¾ Rd.
388	8¼	17988	6½	⅝ Rd.
379	9	13853	7	½, ⅝ Rd.
380	10	13247	7¼	⅝ Rd.
382	12	389	7¼	¾ Rd.
		16968	7¼	13/16 Sq.
		13854	7½	½, ⅝ Rd.
		12611	8	½, ⅝ Rd.
		13855	8¼	⅝ Rd.
		16969	8½	13/16 Sq.
		12612	9	⅝, ¾ Rd.
		12613	10	⅝, ¾ Rd.
		12614	12	¾, 1 Rd.

ECONOMY PACKS — COMBINATION BLADES

Now quantity users can save almost 25% over single blade prices. Each "Economy Pack" includes ten blades in handy storage carton.

"Economy Pack" part no.	Contains following SKIL diamond arbor combination blades
24366	ten—No. 16122—6½″ blades
24377	ten—No. 377 —7¼″ blades
24388	ten—No. 388 —8¼″ blades

Ⓑ HARD TOOTH COMBINATION

Special hardened teeth stay sharp 3 to 4 times longer than ordinary blades on general purpose cross cutting and ripping. Harder cutting edge perfect for tempered laminates, exterior plywoods, etc. that dull regular blades rapidly. Can be sharpened by grinding.

DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches
21929	6½	*16544	4¼	½ Rd.
		21012	5	½ Rd.
21932	7¼	**20339	5½	⅝ Rd.
21936	8¼	19703	6½	⅝ Rd.
		21933	7¼	⅝ Rd.
		21937	8¼	⅝ Rd.

*Novelty Tooth Combination
**Chisel Tooth Blade

Ⓒ NOVELTY COMBINATION

A good blade choice for general use in cabinet work. Produces smooth cuts with or across the grain.

DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches
		12630	6	½, ⅝ Rd.
		12631	8	½, ⅝ Rd.
		12632	9	⅝, ¾ Rd.
		12633	10	⅝, ¾ Rd.
		12634	12	¾, 1 Rd.

Ⓓ CROSS-CUT

Gives smoother cross-grain cuts than combination types. Also practical for use as rip and cut-off blade in extremely hard woods.

DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches
9752	5⅞	12620	6	½, ⅝ Rd.
16123	6½	16970	6	½ Sq.
356	7¼	18552	6½	⅝ Rd.
293	8	13857	7	½, ⅝ Rd.
350	8¼	19258	7¼	⅝ Rd.
357	9	16971	7¼	13/16 Sq.
9763	10	12621	8	⅝, ¾ Rd.
334	12	12256	8¼	⅝ Rd.
		12622	9	⅝, ¾ Rd.
		12623	10	⅝, ¾ Rd.

Ⓔ RIP

For maximum speed in cutting with grain. Like combination blade in tooth shape, but has larger teeth with more set to minimize binding.

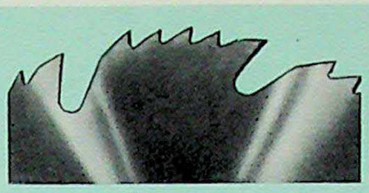
DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches
12767	5⅞	12600	6	½, ⅝ Rd.
18547	6½	18553	6½	⅝ Rd.
352	7¼	18565	7	½, ⅝ Rd.
12768	8¼	19259	7¼	⅝ Rd.
353	9	12601	8	½, ⅝ Rd.
9764	10	19261	8¼	⅝ Rd.
330	12	12602	9	⅝, ¾ Rd.
		12603	10	⅝, ¾ Rd.
		12604	12	¾, 1 Rd.

SAVE MONEY! Order your SKIL SAW Blades in

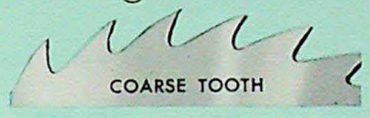
See Pages 10 and 12 for

SAW BLADES

FOR SKIL AND OTHER MAKES OF POWER SAWS

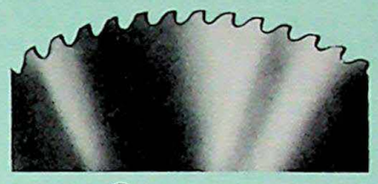


Ⓕ MITER

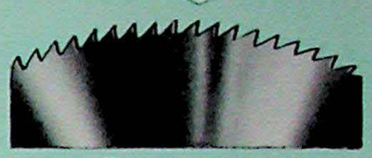


Ⓘ METAL SLITTING

Ⓖ FINE-TOOTH



Ⓙ FRICTION



Ⓗ FLOORING

Ⓚ CARBIDE-TIPPED

DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches

Ⓕ MITER

Hollow-ground blades for very smooth cutting (sometimes called "planer" blades). Use for accurate rather than fast cutting. May be used with lubricant for cutting soft aluminum, copper, etc.

314	5⅞	18015	4¼	½ Rd.
16124	6½	20678	5½	½ Rd.
362	7¼	12640	6	½, ⅝ Rd.
9757	8	16972	6	½ Sq.
9758	10	13858	6¼	⅝, ¾ Rd.
		18554	6½	⅝ Rd.
		13859	7	½, ⅝ Rd.
		19260	7¼	⅝ Rd.
		16973	7¼	13⁄16 Sq.
		12641	8	½, ⅝ Rd.
		12257	8¼	⅝ Rd.
		12642	9	⅝, ¾ Rd.
		12643	10	⅝, ¾ Rd.

Ⓖ FINE-TOOTH

For cutting Celotex or similar soft wallboard; 1⁄16" or thinner plastic materials.

280	5⅞	12670	6	½, ⅝ Rd.
366	7¼	12671	8	½, ⅝ Rd.
9744	8			

Ⓗ FLOORING

For repairing old floors, cutting crating or used lumber where nails are encountered. Use a blade 1 to 2 inches smaller (dia.) than maximum saw capacity.

9775	5⅞	12660	6	½, ⅝ Rd.
358	7¼	16974	6	½ Sq.
348	8	16975	7¼	13⁄16 Sq.
		12661	8	½, ⅝ Rd.

Ⓘ METAL SLITTING (for non-ferrous metals)

For cutting metals, use with SKIL Super-Duty (worm-drive) Saws. All metal slitting blades are hollow ground.

Cut ⅜" and thicker aluminum, magnesium or lead. Coarse mill type tooth. MUST BE USED WITH LUBRICANT.

18548	6½
9813	7¼
17007	8¼

Cut copper, brass, ⅜" or thinner aluminum and magnesium, 1⁄16" and thicker plastics. Fine mill type tooth.

18549	6½
9814	7¼
17008	8¼
*393	6

*Special blade for cutting wood-sheet metal laminates only.

DIAMOND ARBORS for SKILSAW Models		ROUND & SQUARE ARBORS for other portable and table saws		
part no.	nominal dia., in.	part no.	dia., inches	arbor size, inches

Ⓙ FRICTION (for ferrous metals)

For cutting light gauge flat or corrugated sheets or iron, such as metal roofing. Hollow ground. Use only on Model 77 Saw or larger.

9768	5⅞
9769	8

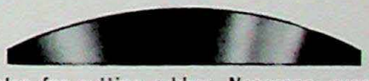
Ⓚ CARBIDE-TIPPED

These remarkable blades stay sharp up to 30 times longer in cutting new lumber; give excellent service on hard-to-cut materials like asbestos cement, asphalt siding and other semi-abrasive products that quickly dull regular blades. Nos. 9590 and 9598 recommended for heavy-duty service. Carbide-tipped blades cannot be used for stone, masonry, metal or wood where nails may be encountered.

	no. teeth	dia.
7996	6	5⅞
18550	6	6½
7997	8	7¼
9590	18	7¼
7998	8	8¼
9598	20	8¼

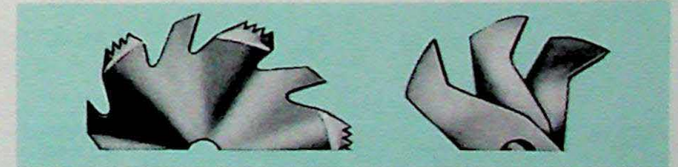
Note: All SKIL Carbide Tipped Blades are supplied with arbor adapters as standard equipment, permitting their use on ⅝" round arbor portable and table saws.

KNIFE BLADES



For cotton sampling; also for cutting rubber, Neoprene, rugs, fabrics and related materials. No. 9772 is a steel knife blade; No. 16293 is a beryllium copper, non-sparking knife blade.

9772	5⅞
16293	5⅞



DADO SETS

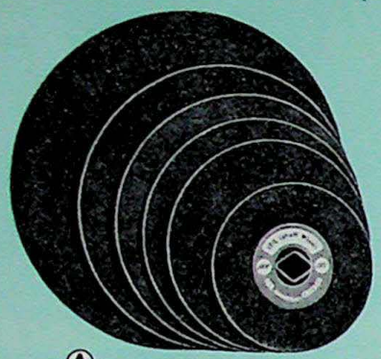
Sets listed below are adjustable from ⅛" to maximum width by sixteenths. Extra chippers for 6", 7" and 8" sizes are available on special order.

part no.	dia. inches	arbor size, inches	outside cutters, ea. ⅛" wide	set includes: chippers, inches 1⁄16	⅛	¼	cutting capacity, inches
12676	6	⅝ Rd.	2	1	1	1	⅛ to 11⁄16
321	6	¾ Rd.	2	1	2	2	⅛ to 1 1⁄16
4559	7	¾ Rd.	2	1	2	6	⅛ to 2 1⁄16

quantity. See Price List for quantity discounts.

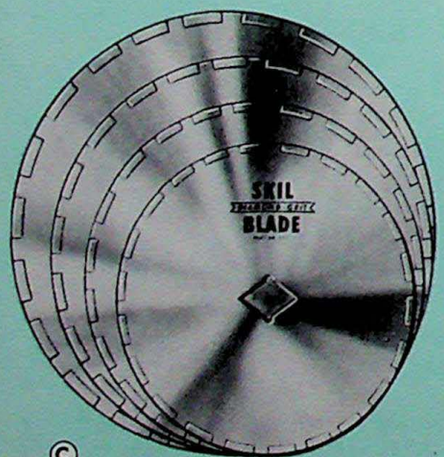
other types of SKIL Saw Blades

SAW BLADES



Ⓐ
"SAFETY"
CUT-OFF WHEELS

Ⓑ
"FLEX"
CUT-OFF WHEELS



Ⓒ
DIAMOND
GRIT BLADES

Ⓐ "SAFETY" CUT-OFF WHEELS

Reinforced with fiberglass cloth, SKIL "safety" wheels have a higher percentage of grits. This construction provides *fast cutting* in a reinforced wheel! Highest quality electric furnace abrasives are used . . . bonded with phenol resin. Built for long and safe service, "safety" wheels are highly *break resistant*. Steel insert reinforces diamond-arbor hole. Order carefully for specific jobs.

TYPE A (aluminum oxide) Abrasive

For all ferrous metals (steel, cast iron, stainless steel) and **hard** non-ferrous metals like hard brass, hard aluminum, hard bronze, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18365	5⅞" x ⅛"	10	18369	9" x ⅛"	10
18366	6½" x ⅛"	10	18370	10" x ⅛"	10
18367	7¼" x ⅛"	10	18371	12" x ⅛"	10
18368	8¼" x ⅛"	10			

TYPE C (silicon carbide) Abrasive

For very hard masonry materials: hard-aggregate concrete, marble, granite, glazed and ceramic tile, slate, terrazzo, acid-proof brick; face, silica and hard-chrome brick; Magnesite, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18350	5⅞" x ⅛"	10	18352	7¼" x ⅛"	10
18351	6½" x ⅛"	10	18353	8¼" x ⅛"	10

For medium hard masonry materials: concrete block, fire clay and refractory brick, limestone, Arizona flagstone, Lannon stone, crab orchard stone; roofing, sewer and structural tile; terra cotta, and asbestos cement (over ¼" thick), etc. Also for **soft** non-ferrous metals like soft aluminum; soft bronze, soft brass, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18354	5⅞" x ⅛"	10	18358	9" x ⅛"	10
18355	6½" x ⅛"	10	18359	10" x ⅛"	10
18356	7¼" x ⅛"	10	18360	12" x ⅛"	10
18357	8¼" x ⅛"	10			

For softer masonry materials: common brick, insulating brick, cinder block, sandstone, Austin stone, Gypsum, corrugated plastic, asbestos cement (up to ¼" thick), and other soft grades of masonry products.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
18361	5⅞" x ⅛"	10	18363	7¼" x ⅛"	10
18362	6½" x ⅛"	10	18364	8¼" x ⅛"	10

Ⓑ "FLEX" CUT-OFF WHEELS

Made of 100% electric furnace abrasives that are resinoid bonded and reinforced with *five* layers of interwoven Nylon cord. This construction results in a wheel which will "give" without shattering, provides maximum safety! SKIL "flex" wheels eliminate breakage and greatly reduce time wasted in replacing wheels . . . afford big savings over non-reinforced types. Diamond-arbor hole reinforced with steel insert.

TYPE A (aluminum oxide) Abrasive

For cutting hard metals, steel, stainless steel, cast iron, hard brass, hard bronze, etc.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
13157	5⅞" x ⅛"	10	11641	8¼" x ⅛"	10
11640	7¼" x ⅛"	10	11642	9" x ⅛"	10

TYPE C (silicon carbide) Abrasive

For cutting masonry, firebrick, non-metals, and for soft non-ferrous metals.

part no.	size	pkg. qty.	part no.	size	pkg. qty.
13158	5⅞" x ⅛"	10	11644	8¼" x ⅛"	10
11643	7¼" x ⅛"	10	11645	9" x ⅛"	10

NOTE: Arbor adapters are available from your SKIL distributor or SKIL Factory Branch to permit use of these diamond-arbor "safety" and "flex" cut-off wheels on saws having ½" or ⅝" round arbors.

NOTE: Before using any cut-off wheel always be sure its maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on name-plate). Use only on tools with proper safety guards.

Ⓒ DIAMOND GRIT BLADES

Now improved for heavier duty cutting!

Diamond concentration is higher and diamonds are now retained in powdered metal segments that are brazed to a metal blank for longer cutting life. Cut all stone and masonry materials, glass, asbestos,cement. Outcut and outlast cut-off wheels by 10 to 1! Cannot be used dry — see Water Feed Attachments, page 11.

No. 341—7" dia.,.050" thickness.
No. 344—8" dia.,.050" thickness.
No. 372—9" dia.,.064" thickness.
No. 375—10" dia.,.064" thickness.

SAW ACCESSORIES

Ⓐ SAW CARRYING CASES

Handy, durable carrying cases made of heavy gauge steel with special brackets to protect saw and blades.

for SKILSAW model	order case no.
367 (all types) 77 (all types) 825 (all types)	25198
107 (all types)	4524
127 (all types) 2127 (all types)	4335
856 (all types) 857 (all types) 858 (all types)	18495
860 (all types)	22740

NOTE: Carrying Cases are also available for most former Skilsaw models not shown above. To order, simply specify model number and serial number.

Ⓑ ADJUSTABLE RIP FENCES

Eliminate repeated measuring and marking on rip work. SKIL Rip Fences fit on front of saw base; guide saw accurately to cut uniform width.

for SKILSAW model	order rip fence no.
367 (type 2) 77 (type 10) 825 (type 8)	25341
107 (all types) 127 (all types) 2127 (all types)	154
856 (type 1) 857 (type 2) 858 (type 1) 860 (type 1)	18450

NOTE: Rip Fences are also available for most former Skilsaw models not shown above. To order, simply specify model number and serial number.

Ⓒ NO. 13802 MITER GUIDE

A really practical accessory for most every wood cutting job. Set it at a desired angle just once, and you can make any number of cuts at precisely that same angle. Your portable saw easily follows guide bar for both right and left hand miter cuts. Eliminates time spent in figuring angles and plotting layouts.

Ⓓ BLADE STUD WRENCHES

No. 266—Fits all current model SKIL Power Saws.

Ⓔ BLADE FILES

No. 210 Round Tapered File—Keeps gullets between blade teeth round, prevents cracking.

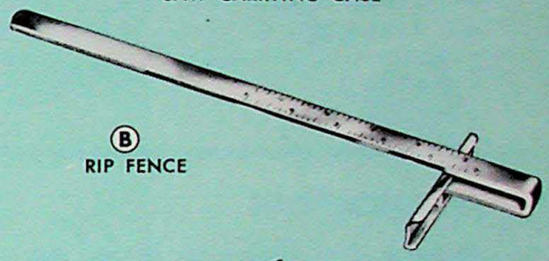
No. 228 Blade Tooth File—Specially shaped file for sharpening blade teeth without distortion.

Ⓕ WATER FEED ATTACHMENTS

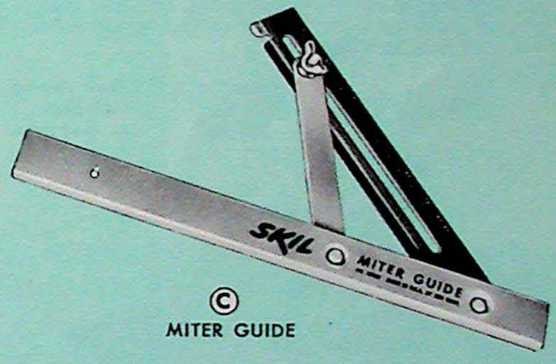
Easily attaches to SKIL Portable Saws. Perforated fork supplies water for both sides of blade. Equipped with 10 ft. of hose with standard connection for attaching to faucet or extension hose. *Must be used with diamond grit blades.* May also be used with cut-off wheels.

No. 25199—For Models 367 (type 2), 77 (type 10), 825 (type 8).
No. 5750—For Models 107, 127, 2127 and older models 367, 77, 825 (except types indicated for No. 25199).
No. 19576—For Models 856, 857, 858 and 860.

Ⓐ SAW CARRYING CASE

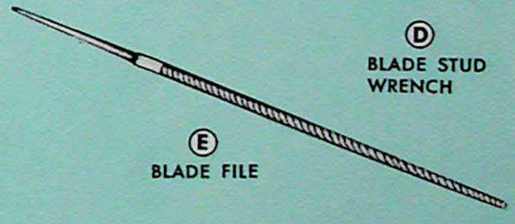


Ⓑ RIP FENCE

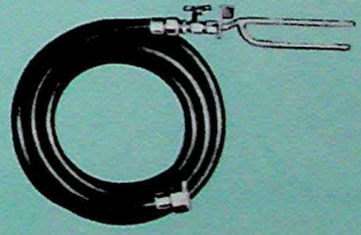


Ⓒ MITER GUIDE

Ⓓ BLADE STUD WRENCH

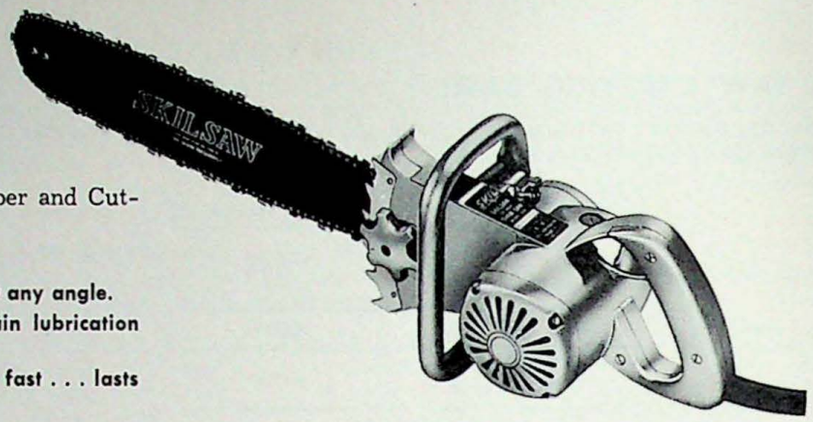


Ⓔ BLADE FILE



Ⓕ WATER FEED ATTACHMENT

CHAIN SAWS



14" MODEL 605
20" MODEL 606

For Felling, Limbing and Trimming Timber and Cutting Piling, Ties, and Cordwood.

Both models provide all these features:

- **Wrap-around pipe handle for cutting at any angle.**
- **Built-in push button oiler for easy chain lubrication while cutting.**
- **Tempered steel, chipper-type chain cuts fast . . . lasts longer. Easily sharpened on the job.**

ACCESSORIES

No. 11622—Special round file for sharpening chain.

No. 11686—Special file, file holder and handle. A complete sharpening tool. Positions file at correct depth and angle.

No. 11167—Extension cord (100 feet, 14 gauge) with 3 cavity twist-lock connector and 3 prong molded rubber plug. High quality 3-wire rubber covered cord.

No. 11630—14" replacement chain, for Model 605.

No. 12680—20" replacement chain, for Model 606.

No. 11232—Chain repair parts assortment (also included with above replacement chains).

SPECIFICATIONS

equipment: Set of extra-long holding claws, chipper chain and package of chain repair parts, chain sharpening file and handle; 6" 3-wire cord and twist lock connector.

general specifications:
motors: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.
switches: Enclosed double-pole, momentary contact trigger types.
chains: Chipper type, 3/8" pitch, 5/16" kerf.
bearings: Ball and needle roller.

model no.	capacity one cut, inches	free speed of chain, ft. per min.	amp. rating at 115V	generator size required, watts	length overall, inches	net weight, lbs.	shpg. weight, lbs.
605	14	1500	9	1500*	27 3/8	16 1/4	22
606	20	1500	10	1500*	33	17 1/4	23

*Continuous output at full rated voltage of saw.

Ⓐ **PERMA-GRIT* WHEELS** for use with table and radial saws

Ⓑ **PERMA-GRIT* BLADES** for cutting with portable power saws

PERMA-GRIT* WHEELS AND BLADES

5 tools in 1! They saw, sand, shape, dado, plough. Safer too — no teeth to snag, no dangerous "kickback". Tungsten carbide grit is copper-bonded to edge and sides . . . material is cut and sanded in one operation. Ideal for finish carpentry since material is ready for installation. Provide excellent results in cutting thin veneers, plywood, Masonite, fiberglass and plastics which tooth-type blades may splinter. *Not recommended for metal or stone cutting.* Easily cleaned with a wire brush and solvent.

Ⓐ PERMA-GRIT* WHEELS

for table and radial saws

Have abrasive grit on edge and both sides.

no.	blade size	for saw arbor sizes	grit on edge	grit on sides
18720	8"	5/8", 1/2"	36	36—1 side 80—1 side
18721	8"	5/8", 1/2"	36	80 both sides
19782	8"	5/8", 1/2"	36	36 both sides
19758	10"	1", 3/4", 5/8"	36	36 both sides
19759	10"	1", 3/4", 5/8"	36	60 both sides

Ⓑ PERMA-GRIT* BLADES

for cutting with portable power saws

Have abrasive grit on edge and 1/2" down from edge on both sides. Use only for cutting.

no.	blade size	arbor	grit on edge and sides
19908	6"	diamond	46
19911	6"	5/8" rd.	46
19909	7 1/4"	diamond	46
19912	7 1/4"	5/8" rd.	46
19910	8"	diamond	46
19913	8"	5/8" rd.	46

FOR OTHER PERMA-GRIT* PRODUCTS See Pages 57 and 64

*A Trademark of SKIL Corporation. Tungsten Carbide Abrasives Pat. No. 2,906,612

JIG SAW

Order 2

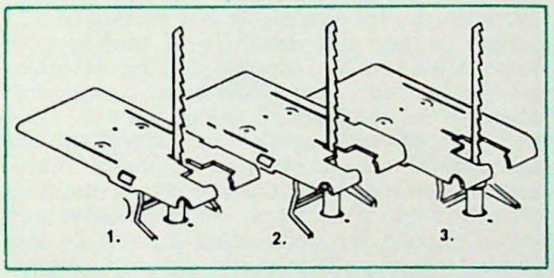
MODEL 160 2-SPEED JIG SAW*

World's fastest cutting jig saw—only model with two speeds for wood and metal.

Flick the thumb-tip switch on this amazing new jig saw to high speed for cutting wood (up to 2½"), plastic and compositions. Flick it to low speed for fast metal cutting with minimum blade wear. Rips, cross cuts, plunge cuts, notches, scroll cuts, bevel cuts. Heavy duty construction throughout for accurate, continuous use. Superb top handle balance and side handle that mounts on left or right for easiest handling. Exclusive 3-position foot adjustment lets you cut plywood without splintering (without special adapters). Other features include powerful 1" orbital-action* cutting stroke, full 45° right and left bevel adjustment, air stream that keeps saw dust off line of cut and dual, counter-balanced gears. Hex key for blade changes, other adjustments, clamps conveniently on foot. Includes rip fence. *Specify voltage.*

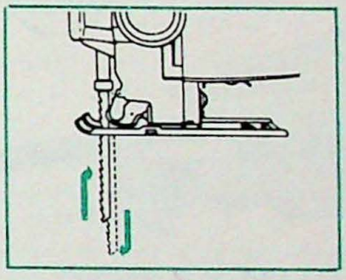
NEW!

Compare these SKIL advantages...



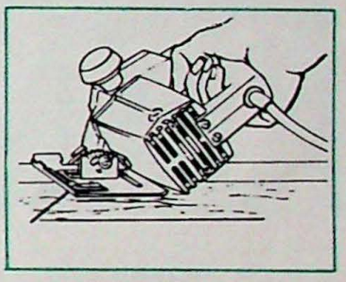
EXCLUSIVE 3-POSITION FOOT ADJUSTMENT

1. For splinter-free cutting of plywood, composition, laminates with hollow ground blades.
2. For general cutting of wood, metal, other materials with set tooth blades.
3. For bevel cutting.



FULL 1" ORBITAL CUTTING STROKE

For extremely fast cutting with far less blade drag and wear.



FULL 45° RIGHT AND LEFT BEVEL ADJUSTMENT

Bevel gauge has stop pin for quick, positive 0°, 15°, 30° and 45° settings.

SPECIFICATIONS

equipment: rip fence, wrench, four assorted blades, 3-wire cord and plug.

motor: Universal, up to 60 cycles.

voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.

switches: Enclosed single pole, double throw, slide type. A.C. only 25 to 60 cycles.

bearings: 2 ball, 4 needle, 4 sleeve.

model no.	length of stroke	90° cutting capacities			45° capacity in wood	strokes per minute		amp. rating at 115V	overall length	net wgt. lbs.	shpg. wgt. lbs.
		in wood	in aluminum	in steel		high speed	low speed				
160	1"	2½"	¾"	¼"	2"	3200	2600	3.5	8"	6	8¼

HEAVY DUTY JIG SAW BLADES

Packaged 10 Per Carton (except No. 24088 which are 5 per carton)

METAL CUTTING BLADES—for ferrous metals including mild steel, galvanized sheet; non-ferrous metals including aluminum, brass and copper.

blade no.	teeth per inch	recommended metal cutting application
24084	10	¼" to ½" ferrous; ⅛" to 1" non-ferrous.
24085	14	3/16" to ¼" ferrous; less than ⅛" non-ferrous.
24086	18	⅛" to 3/16" ferrous.
24087	32	Less than ⅛" ferrous.

WOOD, PLASTIC AND COMPOSITION CUTTING BLADES—coarse tooth design (6 teeth per inch) for fastest cutting in ⅜" or thicker material.

blade no.	blade type—recommended use
22644	Fast scroll cutting, or "roughing-in" work.
22652	Extra wide blade for straight cutting.
22650	Hollow ground† blade for extra-smooth finish.
22651	Hollow ground† extra-wide blade for smooth finish, straight cutting.
24088	Flush cutting blade ¾" wide, extends to front of jig saw foot, permits cutting up to corners, vertical surfaces.

WOOD, PLYWOOD, PLASTIC AND COMPOSITION CUTTING BLADES—Fine tooth design for fast smooth finish cutting in ⅜" or thinner material. *Nos. 22649, 22645—10 teeth per inch; No. 24089—12 teeth per inch.*

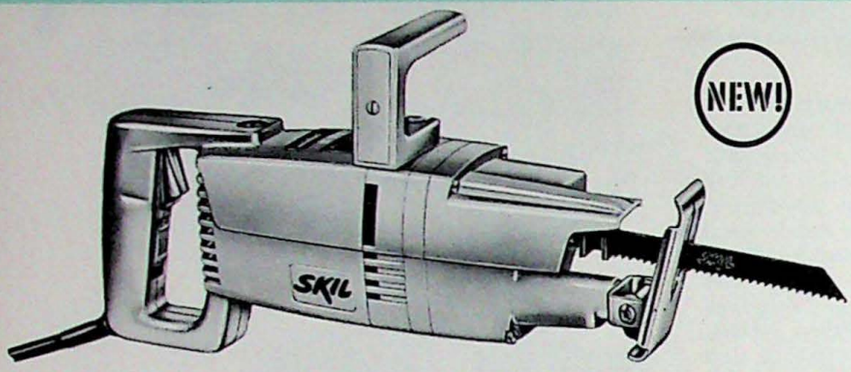
blade no.	blade type—recommended use
22649	Fast scroll cutting blade hardened for long life in hard compositions (Masonite, etc.) and hard plastics (Formica, etc.).
22645	Hollow ground† for smooth finish cutting in plywood, plastics, veneers and hard compositions. Best blade for Formica; other plastic laminates.
24089	Extremely narrow blade for tight, intricate scroll cutting.

*Pat. No. 2,931,402

†Use in SKIL 160 Jig Saw with foot in "splinter-free" cutting position.

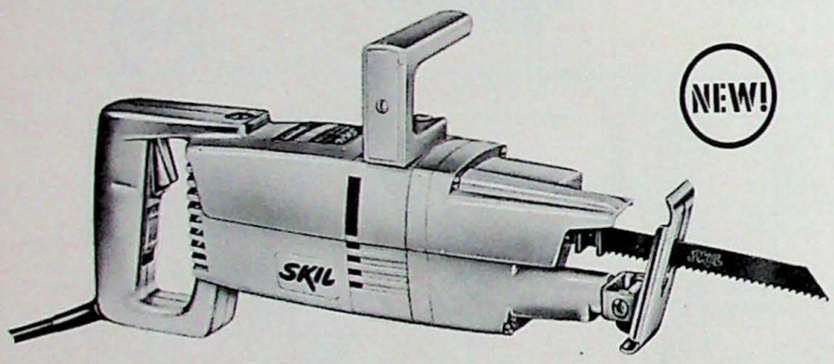
SKIL RECIPRO SAWS

NOW! TWO HEAVY-DUTY MODELS, BOTH WITH 2-SPEED MOTORS FOR FASTEST, MOST EFFICIENT CUTTING



IMPROVED ALL-PURPOSE MODEL 700

This powerful ball bearing saw cuts almost any material. Has high speed (3500 strokes per minute) for fastest cutting in wood, composition, plastic; low speed (2600 strokes per minute) for maximum control in finish work and for routine metal cutting jobs. This versatility makes the Model 700 ideal for the diversity of cutting jobs encountered by carpenters, maintenance men, plumbers, electricians, builders, sheet metal workers and ventilating contractors. *Specify voltage.*



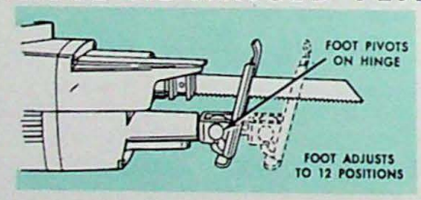
ACTUALLY CUTS 1" SOLID BAR STEEL IN 23 SECONDS!

NEW METAL-CUTTING MODEL 701

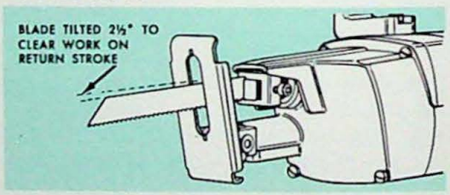
World's only portable electric reciprocating saw built specifically for metal cutting. Has two separate speeds—1000 and 1400 strokes per minute—for extremely fast cutting in different gauges and densities of metals with longest blade life. Low speed is for stainless steel, other hard alloys, cast iron—many hard, abrasive materials. High speed cuts mild steel and non-ferrous metals fast. Excellent for contractors, maintenance men, metal fabricators, welding shops, truck body plants, steel warehouses, plumbers, electricians — any metal cutting job demanding a portable tool for cut-off or pattern work. *Specify voltage.*

BOTH MODELS HAVE THESE ADVANCED FEATURES...

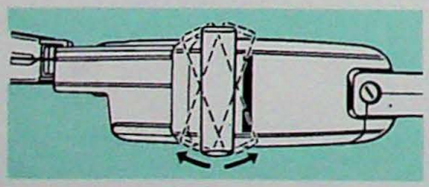
POWERFUL TWO SPEED MOTOR—Flick convenient fingertip switch built right in handle to select proper speed for any cutting job.



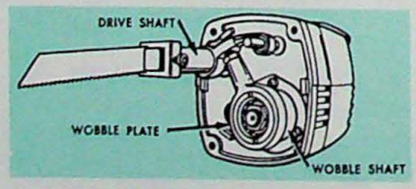
MULTI-POSITION FOOT—Prolongs blade life—moves in or out for cutting with unused portions of blade; also gives variable cutting depth.



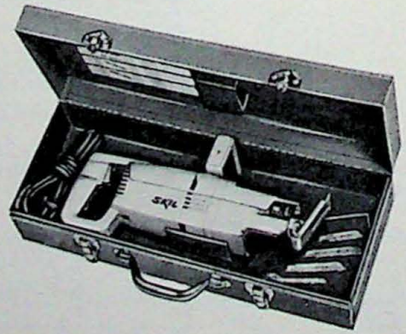
OFF-CENTER BLADE—For cutting close to walls, corners. Blades mount with teeth up or down. Flush cutting attachment (see page 15) also available.



3-POSITION TOP HANDLE—Adjusts 3 ways for convenient, positive control by right or left hand operators. Removes for use in tight spots.



ONLY 3 MAIN MOVING PARTS—Rugged, simple mechanism has only three principal moving parts for less maintenance, long tool life.



SPECIFICATIONS:

equipment: Both models include four assorted blades; No. 21084 blade clamp key and holder; steel carrying case (No. 23155 for Model 700; No. 24289 for Model 701); 3 wire cord and plug.

motor: Universal, D.C. or A.C. up to 60 cycles.

voltage: Standard, 115. Furnished on order for 220 and other voltages at no extra cost.

switches: Enclosed single pole, momentary-contact trigger switch; slide-type speed selection switch.

bearings: Model 700—4 ball, 2 needle, 3 sleeve bearings. Model 701—5 ball, 2 needle, 3 sleeve bearings.

model no.	length of stroke	strokes per minute		amp. rating at 115 V.		overall length	net wgt. lbs.	shpg. wgt., lbs.
		high speed	low speed	high speed	low speed			
700	13/16"	3500	2600	6	4	15 5/8"	9¼	21
701	13/16"	1400	1000	6	4	16 5/32"	10	21¾

RECIPRO SAW BLADES

ALL BLADES PACKAGED 10 PER CARTON

SAVE MONEY! SEE PRICE LIST FOR QUANTITY DISCOUNT INFORMATION

Complete line of blades for handling all Recipro Saw cutting jobs. Includes new heavy duty metal cutting blades that cut stainless steel, other hard alloys and new plaster cutting blade. These blades also fit most makes of reciprocating saws.

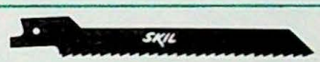
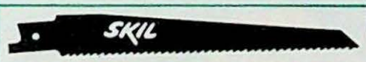
METAL CUTTING BLADES

blade number	illustration	teeth per inch	length (inches)	type steel	recommended use
23607		10	4	High Speed Hack Saw Steel	Steel, other ferrous metals ¼" (2 gauge) or thicker.
23608		10	6		Aluminum, other non-ferrous metals ⅛" (11 gauge) or thicker.
23609		10	8		Cast iron, steel pipe to 4" diameter.
20548		14	4		Ferrous metals 3/16" to ¼" thick (7 gauge to 2 gauge).
20359		14	6		Non-ferrous metals less than ⅛" (11 gauge).
20546		18	4		Ferrous metals ⅛" to 3/16" thick (11 gauge to 7 gauge).
20360		18	6		
20544		24	4		Ferrous metals less than ⅛" (11 gauge).

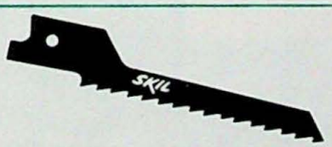
METAL SCROLL CUTTING BLADES

23610		10	4	High Speed Hack Saw Steel	Steel, other ferrous sheet ¼" (2 gauge) or thicker; aluminum, other non-ferrous sheet ⅛" (11 gauge) or thicker.
20549		14	4		Ferrous sheet ⅛" to ¼" (11 gauge to 2 gauge); non-ferrous sheet under ⅛" (11 gauge).
20547		18	3¼		Ferrous sheet metal ⅛" to 3/16" (11 to 7 gauge).
20545		24	3¼		Ferrous sheet metal less than 1/16" (16 gauge).

WOOD ROUGHING-IN BLADES

20539		6	6	High Carbon Spring Steel	Fast cutting, long-life blade.
20540		6	12		
20572		8	6		Fast cutting, nail resistant blade; smooth cutting in hard wood, plastic and hard composition board.
20573		8	12		

WOOD SCROLL CUTTING BLADES

20538		6	4	High Carbon Spring Steel	Fast scroll cutting in wood, plywood, plastics, fiberboard and other compositions.
20537		8	4		Blade is hollow ground for smooth, finish scroll cutting in plywood, plastic laminates, and veneers.

MULTI-PURPOSE BLADES

20356		6	6	High Carbon, High Chrome Steel	A tough, economy blade for fast roughing-in, in most material. Excellent as general purpose blade (for electricians, plumbers and maintenance men).
23605		6	12		
20541		10	4		A tough, economy blade for roughing-in where nails will be encountered, or for smooth cutting in almost any material including soft metals.
20542		10	6		
20543		10	12		

PLASTER CUTTING BLADE

23606		6	6	Tungsten Alloy Steel	Plaster and wood or metal lath, building tile, other abrasive materials.

RECIPRO SAW ACCESSORIES

NO. 24300 FLUSH CUTTING ATTACHMENT—For use on Models 700 and 701 for cutting absolutely flush to walls, floors, ceilings, any vertical or right angle surface. Quickly clamps on drive shaft to provide extreme off-center blade mounting completely clear of saw housing.

NO. 24301 STOCK CLAMP ATTACHMENT—Threads into Model 700 or 701 Recipro Saw in place of regular foot assembly to provide a built-in vise! Clamps bar stock, pipe, angle iron, other materials snugly against saw for fast, accurate, easy cutting with less vibration. Quickly adjustable to hold stock up to 5" diameter.

ROTO-HAMMERS

INCLUDES CONVENIENT, ALL STEEL CARRYING CASE

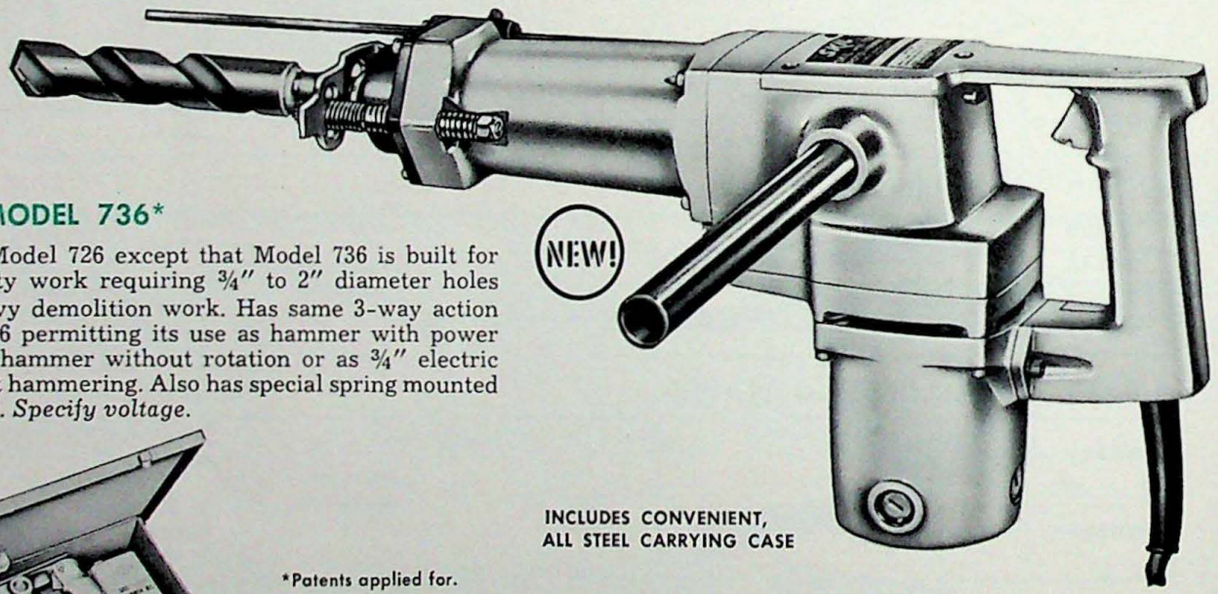
½" - 1" MODEL 726*

Has amazing 3-way action which permits its use as:

(1) **Powerful hammer with automatic power rotation for fastest, lowest cost per hole masonry drilling.**
(2) **Hammer without power rotation for channeling, chiseling, demolition work, etc.**
(3) **Drill without hammering for using same as a ½" electric drill.**

Also perfect for lowest cost setting of anchors and expansion shields when Skil Flat-Tip Carbide Bits are used (see page 19 for complete information).

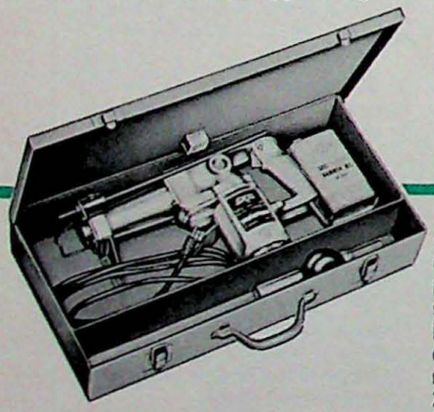
Has contour-grip rear handle; side handle; trigger switch; sturdy aluminum housing. Exclusive depth gauge makes it easy to drill series of holes to uniform depth. Swing away tool retainer for fast tool changes. Rugged internal construction includes over-sized bearings, heat-treated steel gears, heat-treated aluminum piston and hardened alloy steel striker. Piston and striker have self-adjusting rings that compensate for wear.
Specify voltage.



INCLUDES CONVENIENT, ALL STEEL CARRYING CASE

¾" - 2" MODEL 736*

Similar to Model 726 except that Model 736 is built for heaviest duty work requiring ¾" to 2" diameter holes and for heavy demolition work. Has same 3-way action as Model 726 permitting its use as hammer with power rotation, as hammer without rotation or as ¾" electric drill without hammering. Also has special spring mounted tool retainer. *Specify voltage.*



*Patents applied for.

SPECIFICATIONS

equipment: Both models include depth gauge, tool retainer, side handle, hex wrench, oil can, dust shield for overhead work and steel carrying case. Model 726 includes chisel retainer for hammering operations and certificate worth $20.00 in Skil Hammer Accessories (outside U.S.A. and Canada No. 21767—¾" carbide bit is included instead of certificate). Model 736 includes certificate worth $40.00 in Skil Hammer Accessories (except outside U.S.A. and Canada where No. 22794—1½" carbide bit is included instead of certificate).

motor: Universal a.c. or d.c. up to 60 cycles.

voltage: Standard, 115. Furnished on order for 220 and other voltages at no extra cost.

switches: Enclosed double-pole, momentary contact trigger switch.

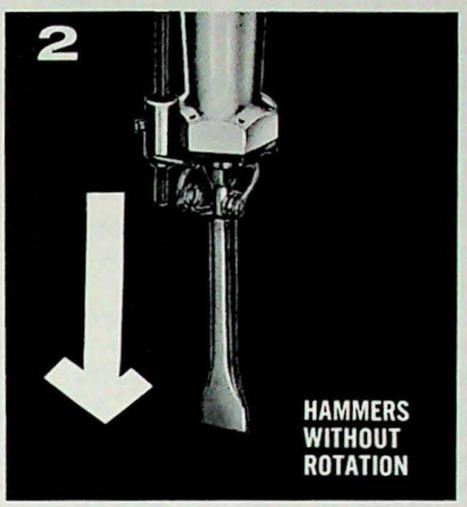
bearings: Model 726—6 ball, 5 sleeve bearings. Model 736—6 ball, 1 needle, 4 sleeve bearings.

model no.	normal operating range	maximum operating range	no. of blows per minute	revolutions per minute	115 volt amp rating	overall length	net wgt. lbs.	ship. wgt. lbs.
726	½" to 1"	¼" to 1⅛"	2400	500	5.5	15¼"	13	36
736	¾" to 2"	½" to 2"	2200	325	7.0	18¾"	24¾	52

See Pages 18 - 20 for complete information on Roto-Hammer Accessories.

ONLY SKIL ROTO-HAMMERS HAVE 3-WAY ACTION

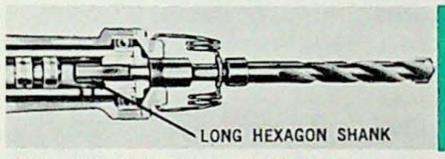
Powerful hammer with automatic power rotation that drills holes up to 65 times faster than by hand . . . up to 5 times faster than ordinary electric hammers — without tiresome, costly manual rotating of star drills.



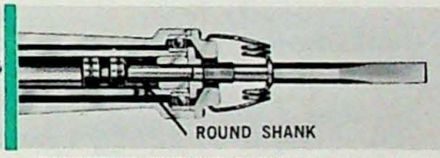
Hammer without rotary action for all kinds of regular hammering jobs including, channeling, chiseling, chipping, pointing, riveting, slotting, breaking-up masonry, routing timber, setting self-drilling anchors, demolition work.

Drill without hammering action for boring holes close-to-the-edge in masonry, wherever hammering may chip material, and in wood, metal, plastic or any material that can be drilled with standard electric drills.

HOW SKIL 3-WAY ACTION WORKS . . .



HAMMERING WITH POWER ROTATION
When inserted into the hammer's nose, SKIL hexagon shanked Carbide Bits engage in a constantly rotating inner barrel. They also extend into the hammering chamber to provide both power rotation and hammering action.



HAMMERING WITHOUT ROTATION
Because chuck wrenches and hammering tools have round shanks, they extend into the hammering chamber but do not engage the inner barrel which simply revolves freely about them so that hammering action only occurs.

DRILLING WITHOUT HAMMERING
For drilling action without hammering, a shorter shanked Drill Chuck Adapter (available as an accessory) is inserted into the hammer nose. This permits the hammer striker to fall below its vacuum chamber and remain inactive.

LOWEST COST PER HOLE!

HERE'S PROOF:

Drilling Comparison Test

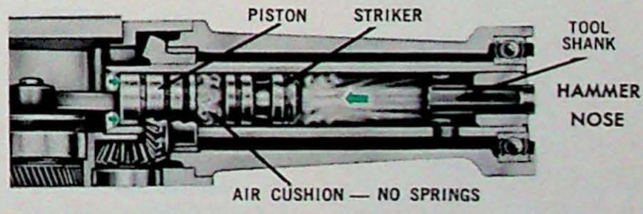
Based on drilling 1000 holes (¾" x 4" deep) in hard concrete —labor @ $3.00 per hr.

SKIL MODEL 726 HAMMER
1 carbide bit* needed
19.38 hours of labor required
$80.14 total cost (labor and bits)
8c cost per hole
*New SKIL Carbide Bits stay sharp 20 to 30 times longer than star drills.
Ordinary Hammer (½"-1" Range)
24 star drills needed
100.4 hours of labor required
$337.20 total cost (labor & bits)
34c per hole
By Hand
24 star drills needed
1300 hours of labor required
$3,936.00 total cost (labor & bits)
$3.93 cost per hole

LOWEST MAINTENANCE COSTS!

HERE'S WHY:

Weakening and breakage of the impact spring is probably the biggest factor in costly hammer breakdown. SKIL's Electro-Pneumatic Drive entirely eliminates this problem. Instead of a spring and complicated parts, powerful hammering action is obtained by tremendous air pressure created between the piston and striker.

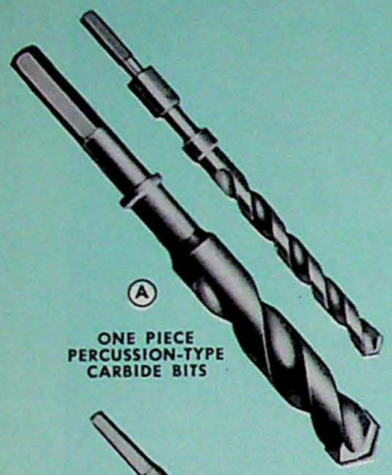


HOW IT WORKS:

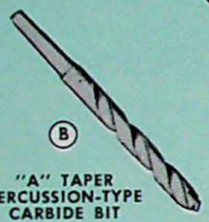
As the piston travels upward (away from nose) it creates a vacuum which draws the striker up. When the piston reaches the top of its stroke it starts downward while the striker continues up. This creates a tremendous air pressure between the piston and striker (as illustrated above). This pressure serves as an air cushion preventing piston-striker contact and is the driving force that reverses the striker's direction and sends it downward at very high velocity to deliver a blow to the tool shank.

WORLD'S FASTEST, EASIEST, LOWEST COST WAY TO DRILL HOLES IN MASONRY!

ROTO-HAMMER ACCESSORIES

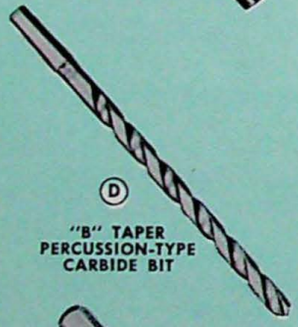


Ⓐ ONE PIECE PERCUSSION-TYPE CARBIDE BITS



Ⓑ "A" TAPER PERCUSSION-TYPE CARBIDE BIT

Ⓒ "A" TAPER CARBIDE BIT ADAPTER



Ⓓ "B" TAPER PERCUSSION-TYPE CARBIDE BIT

Ⓔ "B" TAPER CARBIDE BIT ADAPTER For Model 736

Ⓕ "B" TAPER CARBIDE BIT ADAPTER For Model 726

PERCUSSION-TYPE CARBIDE BITS — Lowest cost way to drill masonry holes! Easiest, fastest bits by far for drilling holes in masonry. Special Carbide Bits designed for use with SKIL Roto-Hammers. Last up to 30 times longer . . . drill up to 1000 more holes than star drills. Designed and made so that resharpening is not ordinarily necessary.

Ⓐ ONE PIECE PERCUSSION-TYPE CARBIDE BITS — For extremely fast drilling of ½" to 1⅛" diameter holes with Model 726 and ¾" to 2" diameter holes with Model 736.

Have special alloy steel shank and highest quality carbide tip. Bits chuck directly into hammer nose. No adapter needed.

FOR MODEL 726

point dia., inches	length, inches	max.* depth capacity, inches	part no.	point dia., inches	length, inches	max.* depth capacity, inches	part no.
½	10	4½	**25500**	¾	16	10¼	**21767**
½	16	10¼	**21759**	¾	22	16¼	**21768**
½	22	16¼	**21760**	⅞	12	6¼	**21769**
9/16	12	6¼	**21761**	⅞	22	16¼	**21770**
⅝	10	4½	**25501**	1	12	6¼	**21771**
⅝	16	10¼	**21763**	1	22	16¼	**21772**
⅝	22	16¼	**21764**	1⅛	12	6¼	**21927**
11/16	12	6¼	**21765**	1⅛	22	16¼	**21928**
¾	10	4½	**25502**				

FOR MODEL 736

point dia., inches	length, inches	max.* depth capacity, inches	part no.	point dia., inches	length, inches	max.* depth capacity, inches	part no.
¾	14	6¼	**22782**	1¼	24	16¼	**22791**
¾	24	16¼	**22783**	1⅜	14	6¼	**22792**
⅞	14	6¼	**22784**	1⅜	24	16¼	**22793**
⅞	24	16¼	**22785**	1½	14	6¼	**22794**
1	14	6¼	**22786**	1½	24	16¼	**22795**
1	24	16¼	**22787**	1¾	14	6	**22796**
1⅛	14	6¼	**22788**	1¾	24	16	**22797**
1⅛	24	16¼	**22789**	2	14	6	**22798**
1¼	14	6¼	**22790**	2	24	16	**22799**

*** IMPORTANT — In drilling, do not exceed maximum depth capacities indicated. To do so may result in premature bit failure.**

Ⓑ "A" TAPER PERCUSSION-TYPE CARBIDE BITS

For use in Model 726 to drill smaller diameter holes (¼" to ½") than possible with one piece bits. Must be used with No. 19367 shanked adapter. Bits have special alloy steel shank and highest quality carbide tip. *(Nos. 19377 and 19376 cannot be expected to provide extremely long life when drilling very hard material.)*

point dia., inches	overall length, inches	max. depth capacity, inches	part no.
¼	4	2	**19377**
5/16	4½	2½	**19376**
⅜	5	3	**19277**
7/16	5	3	**19375**
½	9	6¼	**20517**

Ⓒ No. 19367 "A" TAPER CARBIDE BIT ADAPTER

Required when using "A" Taper Bits.

Ⓓ "B" TAPER PERCUSSION-TYPE CARBIDE BITS

For use in Model 736 to drill smaller diameter holes (½" to 1") than possible with one piece bits. May also be used with Model 726. Must be used with No. 23601 or No. 18932 adapter which chuck directly into Model 736 and 726 respectively.

point dia., inches	overall length, inches	max. depth capacity, inches	part no.	point dia., inches	overall length, inches	max. depth capacity, inches	part no.
½	9	6¼	**19374**	11/16	18	16¼	**19379**
½	18	16¼	**19382**	¾	9	6¼	**18969**
9/16	9	6¼	**19373**	¾	18	16¼	**19378**
9/16	18	16¼	**19381**	⅞	9	6¼	**19522**
⅝	9	6¼	**19275**	⅞	18	16¼	**19523**
⅝	18	16¼	**19380**	1	9	6¼	**19524**
11/16	9	6¼	**19372**	1	18	16¼	**19525**

"B" TAPER ADAPTERS

Ⓔ **No. 23601 "B" Taper Adapter** — for using "B" Taper Bits in Model 736 Roto-Hammer.

Ⓕ **No. 18932 "B" Taper Adapter** — for using "B" Taper Bits in Model 726 Roto-Hammer.

ROTO-HAMMER ACCESSORIES

(G) "FLAT-TIP" CARBIDE BITS

Fastest, lowest cost way to drill holes for anchors and expansion shields. Drill holes with virtually flat (160°) bottoms for secure, accurate settings. After holes are drilled, anchors and shields are easily tapped "home" with ordinary hammer or mallet. For best results, use Setting Tools (see below).

point dia.	drill anchor holes for bolt sizes	max. depth capacity	bit length	part no.
FOR MODEL 726 ROTO-HAMMER				
7/16"	1/4"	2 1/2"	8"	**23534**
15/32"	5/16"	2 1/2"	8"	**23535**
9/16"	3/8"	2 1/2"	8"	**23536**
11/16"	1/2"	2 1/2"	8"	**23537**
27/32"	5/8"	3 1/2"	9"	**23538**
1"	3/4"	3 3/4"	9 3/8"	**23539**
1 1/8"	7/8"	4 1/2"	10 1/8"	**23540**
FOR MODEL 736 ROTO-HAMMER				
11/16"	1/2"	2 1/2"	9"	**23541**
27/32"	5/8"	3 1/2"	10"	**23542**
1"	3/4"	3 3/4"	10 1/4"	**23543**
1 1/8"	7/8"	4 1/2"	11"	**23544**

(H) SETTING TOOLS

For fast, easy setting of anchors and expansion shields without damaging internal threads. Make it possible also to recess fasteners for greater holding power and to permit refinishing of surfaces at later date when fasteners are no longer required.

Size and type fastener	setting tool part no.
1/4" & 1/2" flush-type, 1/4" snap-off type	**25400**
5/16" flush type, 1/2" snap-off type	**25401**
3/8" & 5/8" flush type, 5/16", 3/8" & 5/8" snap-off type	**25402**
3/4" flush type, 3/4" snap-off type	**25403**
7/8" flush type, 7/8" snap-off type	**25404**

(I) STAR DRILLS

High quality, forged steel Star Drills for use with SKIL Roto-Hammers and competitive hammers with "A", "B" and "C" taper chuck wrenches. Provide hammering action without power rotation when mounted in SKIL Roto-Hammers. "A", "B" and "C" Star Drills packed 5 per carton. Order in lots of 5, if possible, for convenience.

"A" TAPER STAR DRILLS For Model 726 only.

point dia.	overall length	part no.
1/4"	5"	**15445**
5/16"	5"	**20518**
3/8"	5"	**15405**
7/16"	5"	**20519**
1/2"	9"	**15406**
9/16"	9"	**20520**
5/8"	9"	**15407**
11/16"	9"	**20521**
3/4"	9"	**15408**

(J) **No. 20513 CHUCK WRENCH** For use with "A" Taper Star Drills.

"C" TAPER STAR DRILLS For Model 736.

point dia.	overall length	part no.
1"	12"	**20962**
1"	24"	**20963**
1 1/8"	12"	**20964**
1 1/8"	24"	**20965**
1 1/4"	12"	**20966**
1 1/4"	24"	**20967**
1 3/8"	12"	**20968**
1 3/8"	24"	**20969**
1 1/2"	12"	**20970**
1 1/2"	24"	**20971**

No. 22762 CHUCK WRENCH For use with "C" Taper Star Drills.

"B" TAPER STAR DRILLS For Models 726 and 736.

point dia.	overall length	part no.
3/4"	9"	**6070**
3/4"	18"	**6071**
13/16"	9"	**20522**
7/8"	9"	**6072**
7/8"	18"	**6073**
15/16"	9"	**20523**
1"	9"	**6074**
1"	18"	**6075**
1 1/8"	9"	**6076**
1 1/8"	18"	**6077**

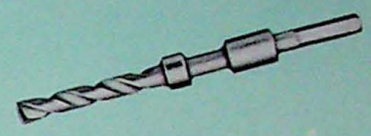
No. 20515 CHUCK WRENCH For using "B" Taper Star Drills in Model 726.

No. 22781 CHUCK WRENCH For using "B" Taper Star Drills in Model 736.

(K) **LARGE DIA. STAR DRILLS** For Model 736.

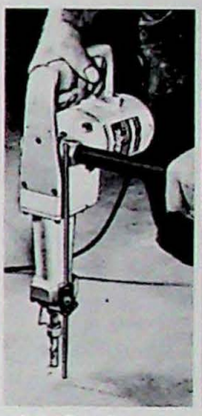
point dia.	overall length	part no.
1 3/4"	18"	**22763**
1 3/4"	30"	**22764**
2"	18"	**22765**
2"	30"	**22766**

(L) **No. 21224 TURNING HANDLE** For use with large Diameter Star Drills.



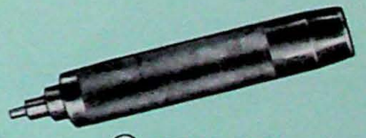
(G) "FLAT-TIP" CARBIDE BITS

New Skil Method sets anchors, shields, 400% faster at 1/3 the cost . . .

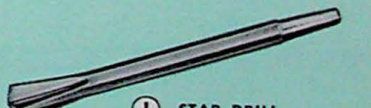


Set Roto-Hammer depth gauge. Drill hole using "Flat-Tip" Carbide Bit.

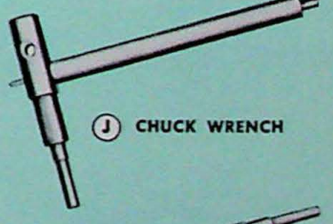
Clean out hole. Insert setting tool in anchor and tap "home" with claw hammer or mallet.



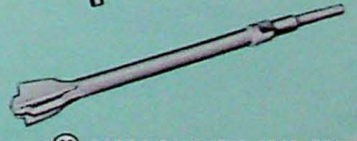
(H) SETTING TOOL



(I) STAR DRILL



(J) CHUCK WRENCH

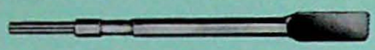


(K) LARGE DIAMETER STAR DRILL

(L) TURNING HANDLE

ROTO-HAMMER ACCESSORIES

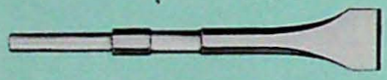
Ⓛ BULL POINT



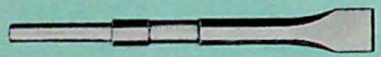
Ⓜ SLOTTING TOOL

Ⓝ 4 POINT SCALING TOOL

Ⓞ COLD CHISEL



Ⓟ WOOD CHISEL



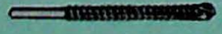
Ⓠ SCALING CHISEL

Ⓡ MORTAR CHISEL

Ⓢ TOOL BLANK

Ⓣ BUSHING TOOL

Ⓤ DRILL CHUCK & ADAPTER



Ⓥ ROTARY CARBIDE BIT (Masonry Type)

HAMMERING TOOLS

For performing a wide variety of hammering jobs. Chuck directly into hammer nose. Provide hammering action without rotary action.

Sizes — For Model 726, 5/8" hexagon stock with special Skil shank. For Model 736, 7/8" hexagon stock with special Skil shank. All Hammering Tools (except bushing tools) packed 5 per carton. Order in lots of 5 if possible for convenience.

	description	purpose	FOR MODEL 726 size, inches	FOR MODEL 726 part no.	FOR MODEL 736 size, inches	FOR MODEL 736 part no.
Ⓛ	Bull-Point	For demolition drilling	12	22134	14	22767
	Bull-Point		18	22135	20	22768
Ⓜ	Slotting Tool	For slotting in concrete and breaking web between pre-drilled holes to break large openings in walls, etc.	13 x 1¼	22136	18 x 1½	22769
Ⓝ	4 Point Scaling Tool	For removing scale	11 x 7/8	22137		
Ⓞ	Cold Chisel	For chipping, edging, channeling	11 x 5/8	22138	14 x 7/8	22773
	Cold Chisel		11 x 7/8	22139	20 x 7/8	22774
	Cold Chisel		18 x 5/8	23600		
Ⓟ	Wood Chisel	For wood gouging and shaping	11 x 2	22140	14 x 2	22775
Ⓠ	Scaling Chisel	For removing scale and weld spatter	11 x 1¼	22141	12 x 1½	22770
	Scaling Chisel		11 x 1½	22142	12 x 2	22771
	Scaling Chisel		11 x 2	22143	12 x 2½	22772
Ⓡ	Mortar Chisel	For cleaning out old mortar between bricks and masonry seams preparatory to repointing	11 x 7/8	22144	12 x 1½	22777
Ⓢ	Tool Blank	For forging into shape for special application	11 x 5/8	22146	12 x 7/8	22778
Ⓣ	Bushing Tool	For surfacing concrete	9 x 1¼ sq.	22145	12 x 1½ sq.	22776
	Bushing Tool—Head only	Replacement for bushing tool	1¼ sq.	23466	1½ sq.	23468
	Bushing Tool—Shank only	Replacement for bushing tool	8	23465	11	23467

Ⓤ DRILL CHUCKS AND ADAPTERS

For converting Model 726 into ½" drill and Model 736 into ¾" drill.

Permit hammers to be used as straight electric drills for drilling wood and steel as well as masonry materials. Order both chuck adapter and drill chuck.

FOR MODEL 726
No. 22174 CHUCK ADAPTER
No. 1771 — ½" DRILL CHUCK AND KEY

FOR MODEL 736
No. 22779 CHUCK ADAPTER
No. 1765 — ¾" DRILL CHUCK AND KEY

Ⓥ ROTARY CARBIDE BITS (MASONRY TYPE)

For use with Models 726 and 736 Roto-Hammers when rotary action only is desired in masonry drilling. Particularly effective where hammering action may cause chipping or cracking of material.

When used in Model 726, use with No. 22174 Chuck Adapter and No. 1771 Drill Chuck Assembly.

When used in Model 736, use with No. 22779 Chuck Adapter and No. 1765 Drill Chuck Assembly.

point dia., inches	shank dia., inches	overall length, inches	part no.
¼	¼	6	22128
5/16	¼	6	22129
3/8	¼	6	22130
7/16	3/8	6	22131
½	3/8	6	22132

OTHER ACCESSORIES

No. 19368 DRIFT KEY—for removing taper carbide bits and star drills from 726 holders.

No. 2341 DRIFT KEY—for removing taper carbide bits and star drills from 736 holders.

No. 23449 DUST SHIELD—same as furnished with Model 726. Keeps dust out of hammer nose. Particularly useful on overhead work.

No. 20940 DUST SHIELD—same as furnished for Model 736.

No. 20511 TOOL RETAINER—same as furnished with Model 726 for holding bits, adapters and hammer tools in place.

No. 20525 LUBRICATING OIL AND OIL CAN—includes one pint of oil and oiling can.

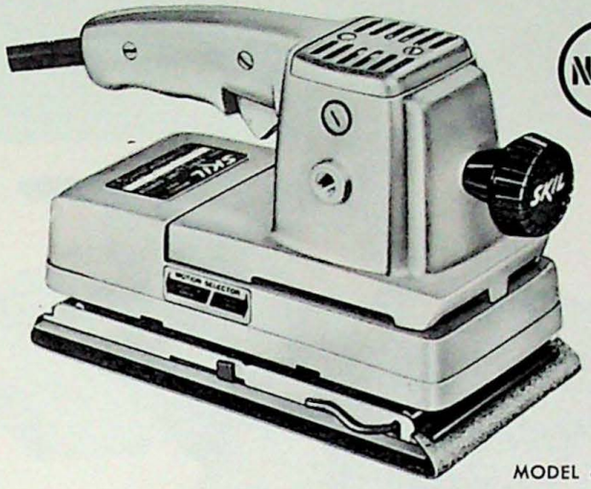
No. 23144 ONE-HALF GALLON LUBRICATING OIL

No. 22443 CARRYING CASE—same as furnished with Model 726. Has ample space for Roto-Hammer and assortment of bits and tools.

No. 22800 CARRYING CASE—same as furnished with Model 736. Has ample space for Roto-Hammer and assortment of bits and tools.

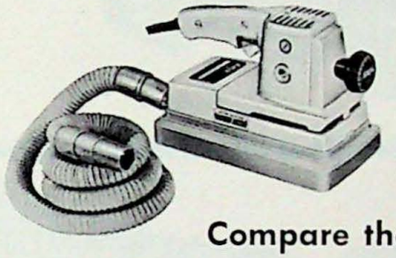
No. 23115 SILICON CARBIDE GRINDING WHEEL—for use on bench grinders for sharpening carbide bits. 6" x ¾"; ½" arbor; 100 grit. Max. safe operating speed—4140 r.p.m.

FINISHING SANDERS



NEW!

MODEL 692



MODEL 693

ORBIT/LINE* SANDER (heavy duty)
MODEL 692 MODEL 693, dust-less

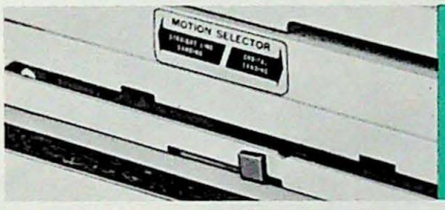
Exclusive Skil patented design handles both jobs — orbital and straight line sanding — at the flick of a switch.

World's first heavy-duty, 2-way sanders. Flick motion selector switch to "orbital sanding" for fast stock removal and finish sanding—excellent when sanded surface will be painted. Or flick same switch to "straight line sanding" for finest finish sanding *without swirl marks*—excellent when sanded surface will be stained, varnished or clear lacquered. Have powerful, heavy-duty motor; big 4½ x 9" sanding pad; contour grip top handle; trigger switch with locking pin; exclusive 3-position control handle; superb balance. Spring action levers hold many sheets of sandpaper. Flush side design permits sanding up to vertical surfaces, in corners; fiber backing pad can't mar vertical surfaces.

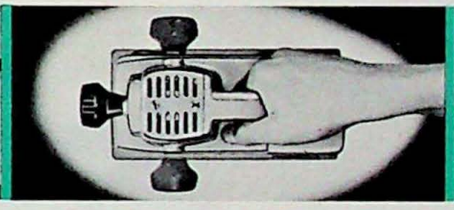
Model 693 is same as Model 692 except it also includes No. 22493 Dust Pick-Up Kit (see page 24) for healthier, dust-less sanding. *Specify voltage.*

*Pat. No. 2,697,897

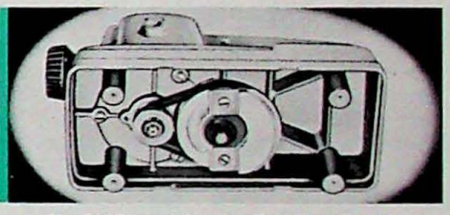
Compare these SKIL Orbit/Line Sander advantages . . .



Convenient Motion Selector Switch Flick switch to quickly select either orbital or straight line sanding action.



Three Position Handle mounts at front or either side for better control when sanding vertical surfaces, in corners.



Simple, Rugged Construction Non-slip belt delivers powerful stroke for both actions. Entire mechanism is simple, fool-proof.

NEW!

ORBITAL SANDER (heavy-duty)
MODEL 992

Combines heavy-duty, all ball bearing construction and lightweight with exceptional low cost.

Useful for many sanding jobs—removing old paint and varnish, sanding new stock and unfinished furniture. Lightweight makes it excellent for overhead and vertical work such as sanding of drywall joints. Has powerful motor, all ball bearing construction, non-marring fiber backing pad, trigger switch with locking pin. Sands flush on 3 sides—auxiliary control knob is removable for work in tight places. *Specify voltage.*

SPECIFICATIONS

equipment: One sheet each 60, 100, 150 grit sandpaper; 3 wire cord and plug. Model 693 includes No. 22493 Dust Pick-Up Kit.
motors: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.
switches: Enclosed single pole, momentary contact trigger switch with locking pin.
bearings: Models 692 and 693—three ball and one roller bearing; Model 992 all ball bearing.

				orbital sanding		straight line sanding						
model no.	sandpaper size	sanding pad size	amp. rating at 115V	orbits per min., no load speed	dia. of orbit	strokes per min., no load speed	length of stroke	length overall	height	width	net wgt. lbs.	shpg. wgt. lbs.
692	4½ x 11"	4½ x 9"	2	5000	3/16"	4800	3/16"	9"	6 3/8"	4½"	7	9
693	4½ x 11"	4½ x 9"	2	5000	3/16"	4800	3/16"	18"**	6 3/8"	5¼"	8	11
992	3 3/8 x 9"	3 3/8 x 7"	2	5500	3/16"	—	—	9 3/8"	6½"	3 3/8"	5½	7

**Minimum length including hose coupling.

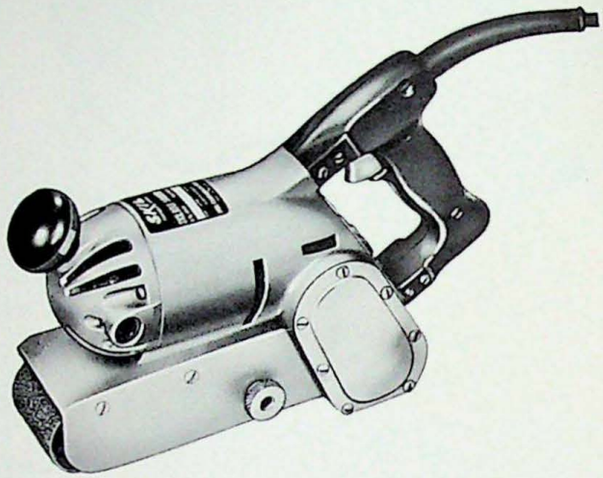
See Page 24 for information on Skil Finishing Sander Accessories

BELT SANDERS

COMPLETE LINE OF SANDERS—2¼", 3", 4", 4½"— FOR FAST, EFFICIENT FINISHING

2¼" MODEL 505 (heavy-duty)

Combines lightweight handling ease and power for fast stock removal. Weighs only 10½ pounds, making it extremely easy to handle on all finishing jobs from a narrow stair railing to paneled walls. Has extra large front handle and contour-grip rear handle and trigger switch for complete control. Belt change-overs are made quickly with simple lever adjustment. Has control knob for centering belt on pulleys. *Specify voltage.*

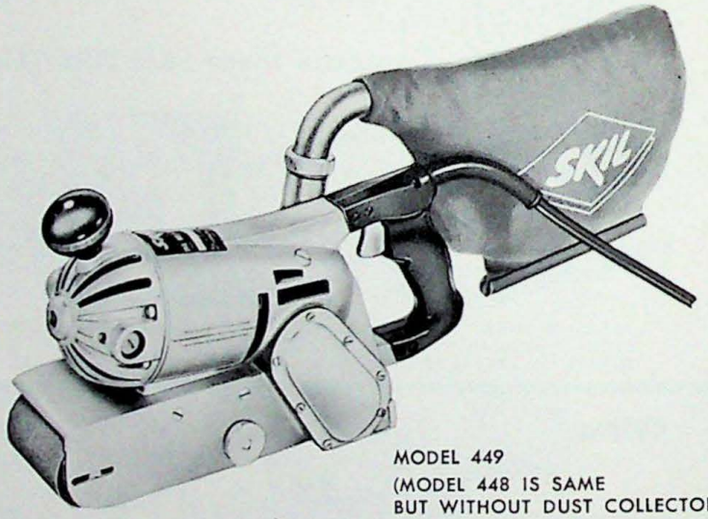


3" MODEL 448 (heavy-duty)
without vacuum dust collector

Has extra power for fast stock removal yet it is cooler running because of large gear case oil chamber. Larger air vents and improved fan design add to cool performance. Belt-tensioning mechanism makes belt changes easy. Has front handle, contour grip rear handle and trigger switch. *Specify voltage.*

3" MODEL 449 (heavy-duty)
with vacuum dust collector

Has all the features of the Model 448 plus improved dust pick-up system. With special felt wiper at rear of sander, its powerful motor draws over 90% of unhealthful dust through intake system and into dust bag. *Specify voltage.*



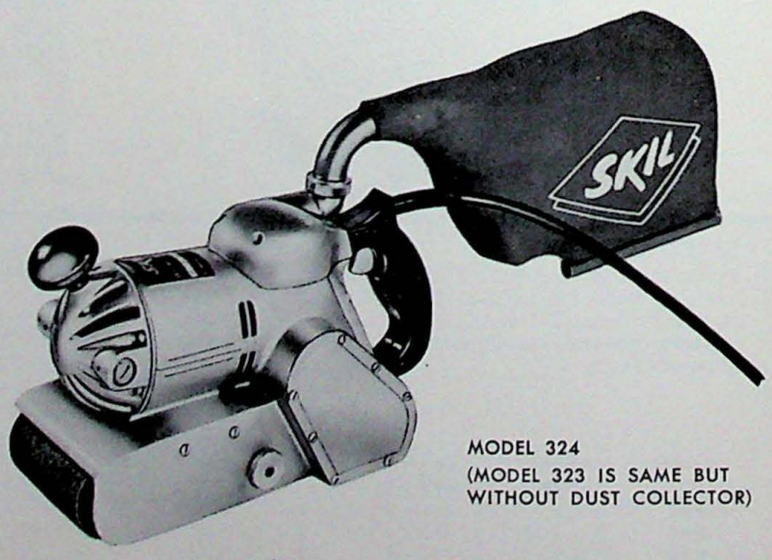
MODEL 449
(MODEL 448 IS SAME BUT WITHOUT DUST COLLECTOR)

4½" MODEL 323 (heavy duty)
without vacuum dust collector

A real workhorse! Design, construction, engineering features and performance make this model suitable for constant use on a wide variety of wood, composition and metal sanding jobs. Use for fast, uniform production sanding. *Specify voltage.*

4½" MODEL 324 (heavy duty)
with vacuum dust collector

Has all the features of Model 323, plus a centrifugal fan, gear driven from the motor, with intake to pick up dust and reduce belt loading. Use for fast interior refinishing, remodeling—anywhere dust is objectionable. *Specify voltage.*



MODEL 324
(MODEL 323 IS SAME BUT WITHOUT DUST COLLECTOR)

Skil Sander Belts also available, see Page 25.

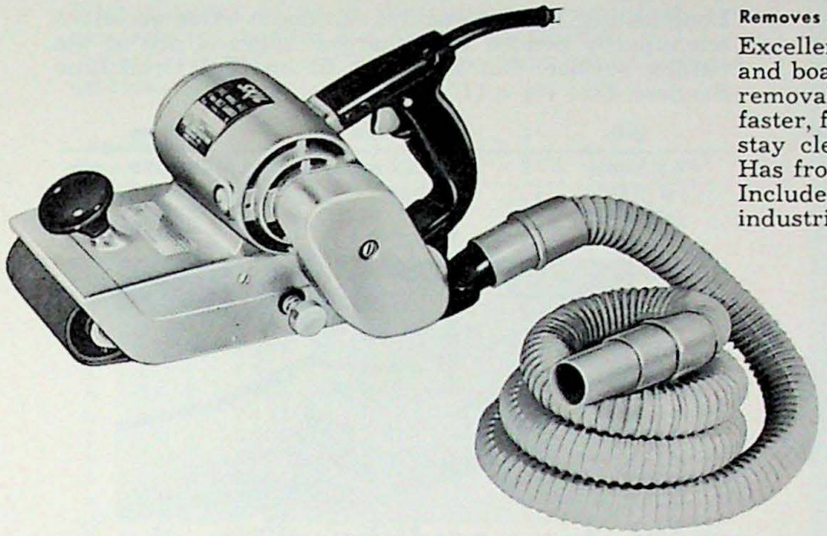
BELT SANDERS

4" MODEL 445 (standard duty)

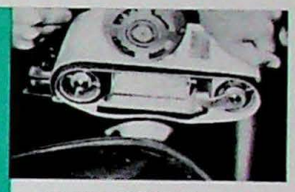
with dust pick-up attachment

Removes over 90% of all fine dust when sanding resins, lead and wood.

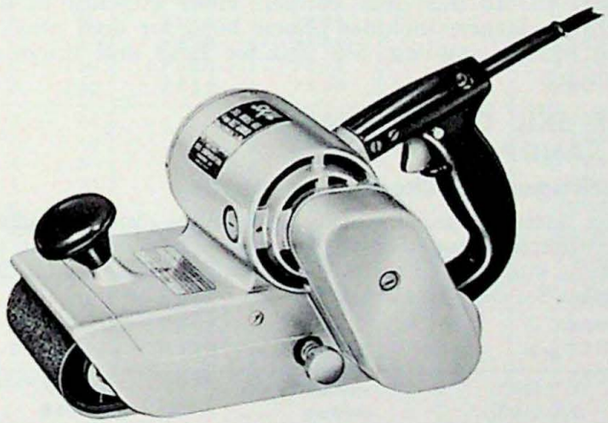
Excellent for automotive body work; woodworking; plastic and boat-building shops . . . wherever fast, dust-less stock removal is desired. "Direct-flo" dust pick-up makes sanding faster, far more healthful . . . minimizes belt clogging—belts stay cleaner, last longer. Lightweight for easy handling. Has front handle, contour grip rear handle, trigger switch. Includes No. 21407 Dust Pick-up Kit that attaches to any industrial or home type vacuum cleaner. *Specify voltage.*



DUST-LESS SANDING! Keeps shop cleaner, paint in same area! Hose attaches to any vacuum cleaner.



CONTOUR SANDING! Exclusive sponge rubber pad follows contours without gouging and digging in.



4" TWO-SPEED MODEL 805 (standard duty)

Has two speeds for both rough and fine sanding jobs! Switch to the high 1100 f.p.m. speed for fast stock removal; turn on the slow 800 f.p.m. speed for finishing work or removing old paint and varnish.

Ideal for intermittent use in construction, maintenance or home workshops. Flush design permits sanding up to vertical surfaces. Simple locking device makes belt change-over easy. Lightweight for easy handling. Has large front handle, contour grip rear handle, trigger switch and pin for locking switch in "on" position. *Specify voltage.*

Can be used with No. 21407 Dust Pick-up Kit, see Page 24.

SPECIFICATIONS

equipment: 3-wire cord and connector; medium grit sanding belt; tube of lubricant (except Models 445, 805); visible oil level indicator (except Models 445, 805). Models 449 and 324 have heavy fabric dust bag with positive slide closure. Model 445 includes No. 21407 dust pickup kit.

motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.

switches: Models 448, 449, 323, 324 have enclosed double pole, momentary contact trigger switches. Models 505, 445, 805 have single pole momentary contact trigger switches (445 and 805 also have pin for locking switch in "on" position).

bearings: Models 448, 449, 323, 324 all ball bearing construction except for pulleys. Models 448, 449 have bronze, self-oiling sleeve bearings on pulleys. Models 323, 324 have needle bearings on front pulley; ball bearings on rear pulley.

Models 505, 445, 805 ball and sleeve bearings and bronze, self-oiling sleeve bearings on pulleys.

belt adjustments: Automatic tensioner; releases for belt changes. Convenient adjusting knob centers belt on pulleys.

flush side: Permits sanding close to upright objects.

vacuum systems: Models 449 and 324. Model 445 has dust pick-up unit for attaching to vacuum cleaner.

model no.	belt size, inches	sanding pad size, inches	speed, no-load ft. per min.	amp. rating at 115V	length overall, inches	width overall, inches	net weight, lbs.	shpg. weight lbs.
505	2¼ x 21⅝	2¼ x 4½	1000	6	12	3	10½	14
448	3 x 23¾ *	3 x 6	1500	10	15¼	4	15	18
449	3 x 23¾ *	3 x 6	1300	10	15¼ **	4	15¼	19
323	4½ x 26	4½ x 6¾	1500	10	15¾	6⅛	23	29
324	4½ x 26	4½ x 6¾	1300	10	15¾ **	6⅛	25	29
445	4 x 21¾	4 x 4½	1350	7	12½	6½	12	16
805	4 x 21¾	4 x 4½	1100 (high) 800 (low)	7 (high) 6 (low)	12½	6½	12¾	15

*Also accommodates 3" x 24" size belts.

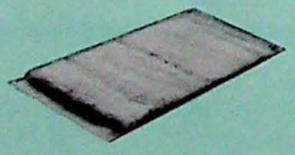
**Length less dust bag.

SANDER ACCESSORIES

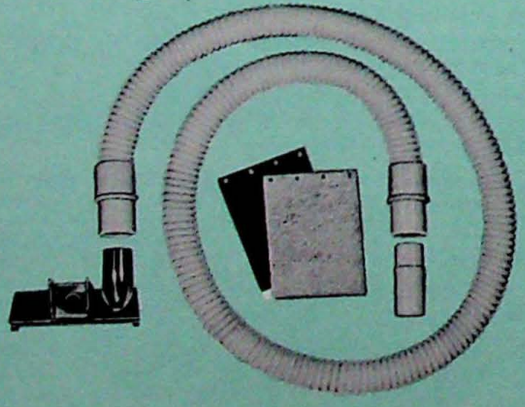
Ⓐ SANDPAPER FOR ORBIT/LINE SANDERS

Ⓑ NO. 22493 DUST PICK-UP KIT

Ⓒ SANDPAPER FOR ORBITAL SANDER



Ⓓ POLISHING PAD



Ⓔ NO. 21407 DUST PICK-UP KIT

FOR SKIL ORBIT/LINE SANDERS

Ⓐ SANDPAPER

(packaged 10 sheets per carton)

Long lasting, highest quality, aluminum oxide abrasives scientifically bonded with sharpest edges of grit at the cutting surface. Cut for exact fit on Skil Orbit/Line Sanders. *Size 4½ x 11".*

grit	description	part no.
1/2 (60)	medium coarse	**23077**
2/0 (100)	medium	**23078**
4/0 (150)	fine	**23079**
6/0 (220)	extra fine	**23080**

Ⓑ NO. 22493 DUST PICK-UP KIT

Same as furnished with Model 693. Quickly converts Model 692 to dust-less Sander. Hose attaches to any vacuum cleaner. Includes plastic hood for dust pick-up with swivel coupling, 5½′ flexible hose and universal coupling.

FOR SKIL ORBITAL SANDER

Ⓒ SANDPAPER

(packaged 10 sheets per carton)

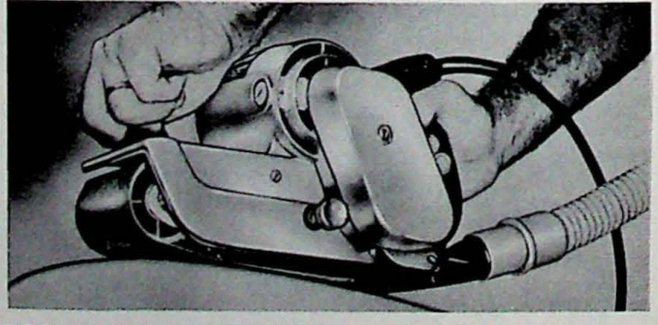
Long lasting, highest quality, aluminum oxide abrasives scientifically bonded with sharpest edges of grit at the cutting surface. Cut for exact fit on Skil Model 992 Orbital Sander. *Size 3⅝ x 9".*

grit	description	part no.
1/2 (60)	medium coarse	**20697**
2/0 (100)	medium	**20698**
4/0 (150)	fine	**20699**
	assorted*	**20700**

*Includes 4 sheets 1/2 (60) grit, 3 sheets 2/0 (100) grit, 3 sheets 4/0 (150) grit.

Ⓓ NO. 3728 POLISHING PAD

For polishing furniture, plastic, other materials with Model 992 Orbital Sander. High-quality lambs wool.



FOR SKIL BELT SANDERS

Ⓔ NO. 21407 DUST PICK-UP KIT

Same as furnished with Model 445. For quickly converting Models 805 and 405 Sanders to dust-less type sanders. Includes 5½′ flexible vacuum hose for connecting to vacuum cleaner, dust pick-up attachment, universal coupling, graphite backing pad and sponge rubber pad.

SANDER ACCESSORIES

FOR SKIL BELT SANDERS

Ⓐ SANDER BELTS

(packaged 10 belts to a carton)

With sharpest edges at the cutting surface, belts are precisely cut, bonded and gauged for exact fit.
Types A, B and D are aluminum oxide; type C, silicon carbide.

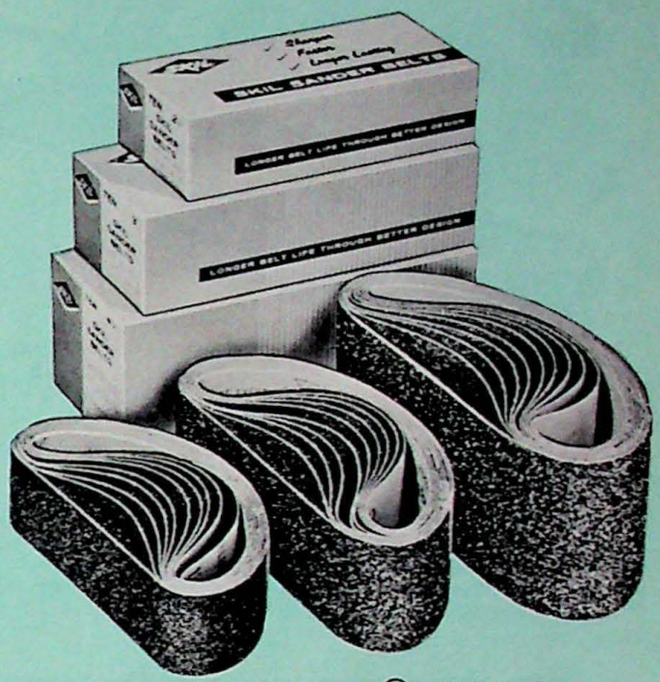
nominal dimensions		2¼ x 21⅝"	3" x 23¾"	4" x 21¾"	4½" x 26"
for models		505, 525, 325, JY	448, 449, 9, ZP	445 805 405	323, 324 AR, BR A, B
type	grit	part no.	part no.	part no.	part no.
A	3	7801	7829	....	7870
A	2½	7802	7830	18842	7871
A	2	7803	7831	....	7872
A	1½	7804	7832	18843	7873
A	1	7805	7833	18844	7874
A	½	7806	7834	18845	7875
A	1/0	7807	7835	19641	7876
A	2/0	7808	7836	18846	7877
A	3/0	7809	7837	19642	7878
B	24	7810	7838	....	7879
B	36	7812	7840	....	7881
B	50	7814	7842	....	7883
B	60	7815	7843	....	7884
B	80	7816	7844	....	7885
B	120	7818	7846	....	7887
B	180	7820	7848	....	7889
B	320	7822	7850	....	7891
C	24	....	7851	....	7892
C	40	....	7854	....	7895
C	80	....	7857	....	7898
C	120	....	7859	....	7900
C	320	....	7863	....	7904
D	3	7823	7864	....	7905
D	2½	7824	7865	18847	7906
D	2	7825	7866	....	7907
D	1½	7826	7867	18848	7908
D	1	7827	7868	....	7909
D	½	7828	7869	....	7910
fabric belts		5050	3324	....	926

NO. 18849 MONEY SAVING ASSORTMENT

Box of 10 Assorted 4" Sanding Belts. Includes 2—No. 18846 belts and 1 each of the following Nos. 18842, 18843, 18844, 18845, 18847, 18848, 19641, 19642.

SANDER BELT COMPARATIVE GRIT TABLE

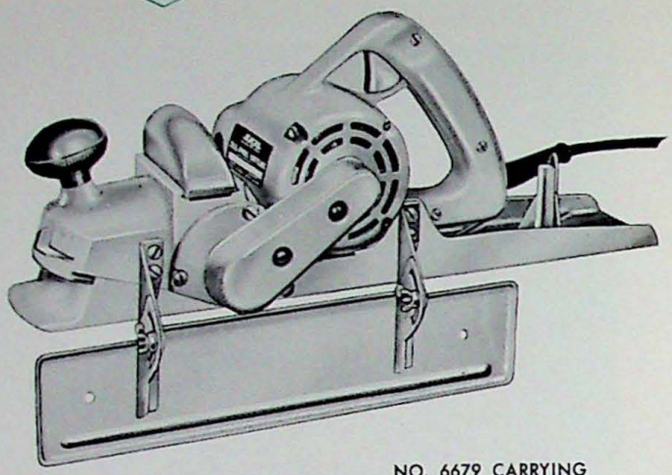
class of grit	wood finishing grit size	metal finishing grit size	stone finishing grit size
Coarse Grit	3	24	24
	2½	30	30
	2	36	36
			40
Medium Grit	1½	40	50
	1	50	60
	½	60	80
			100
Fine Grit		80	
		100	120
	1/0	120	180
	2/0	180	220
	3/0	220	320
		320	



Ⓐ SKIL SANDER BELTS

SANDER BELT FINISHING RECOMMENDATIONS	belt type
Type of materials New or unfinished wood of all kinds, plastics, resins, soft non-ferrous metals such as lead, copper, solder, aluminum.	A
Ferrous metals; also hard bronze, hard brass, hard aluminum, etc. Wiping work with cutting oil is often helpful.	B
Slate, marble, limestone, concrete, glass; other natural and cast stone. Use care in selecting proper grit.	C
Open coat for removing varnish, lacquer and paint. Use light pressure, keep sander moving. Also for resinous or green wood.	D
Finish grinding, rubbing or polishing of metal and stone with proper grinding or polishing compound. Not for painted or varnished surfaces.	Fabric

SKIL PLANE



NO. 6679 CARRYING CASE AVAILABLE AS ACCESSORY

3" MODEL 100

FOR EDGE AND SURFACE PLANING

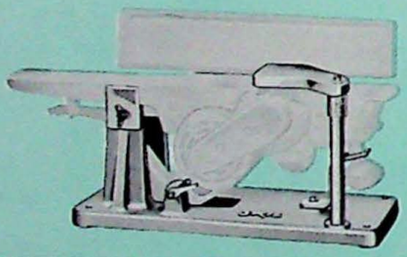
Excellent for carpenters, builders, pattern shops, cabinet workers, woodworking industries, shipyards and maintenance.

Has full 90° bevel adjustment (45° left or right), 0 to ⅛" depth adjustment (1/64" settings with "click" stops). Tooth-belt drive needs no lubrication . . . eliminates costly chain or gear failures! Reversible sawdust deflector. Fence mounts on either side for convenient beveling or mounting on No. 10750 Stand . . . also can be entirely removed for planing large surfaces. And *only* the SKIL Plane has "center-line" balance for superb handling, better visibility and control. *Specify voltage.*

SPECIFICATIONS

equipment: No. 11628 pair of blades, hex locking key, special wide-funnel chip deflector, blade honing bracket, blade adjusting gauge, bevel gauge, 3-wire cord and connector.
general specifications:
motor: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.
switch: Enclosed, momentary-contact trigger type.
chip deflector: Reversible for exhaust to right or left.
bearings: All ball bearing construction.

model no.	width of cut inches	depth of cut, inches	no-load speed, cutter head, r.p.m.	amp. rating at 115V	length overall inches	net weight, lbs.	shpg. weight, lbs.
100	3	0—⅛	13,500	5.5	17½	10½	15



Ⓐ NO. 10750 JOINTER-PLANER STAND

Ⓑ NO. 10900 BLADE SHARPENING KIT

Ⓒ NO. 6679 CARRYING CASE

MODEL 100 PLANE ACCESSORIES

Ⓐ NO. 10750 JOINTER-PLANER STAND

Converts SKIL Plane into a bench jointer-planer in seconds! For fine finish work on cabinets, small piece work . . . for accurate joining, bevel edges. Of heavy cast iron with drilled base for permanent mounting. Has positive-acting spring safety guard. Switch rod and lever permit convenient starts and stops of plane's motor. *(Fits only Model 100 Planes of Serial No. A-967366 and above, and Model 190 Planes of Serial No. A-732710 and above.)*

Ⓑ NO. 10900 BLADE SHARPENING KIT

Easily and quickly grinds out nicks, restores keen edge to plane's cutters. Has V-ways that assure perfect alignment of blade with grinding wheel. No. 10750 Stand (above) provides an ideal mount for this kit. Or, use simple plans included with each kit for making a wood stand. Kit includes blade holder assembly, grinding wheel, wheel arbor, dressing stone and complete instructions.

Ⓒ **No. 6679**—Carrying Case, for Model 100. Sturdy, all steel construction.

No. 10623—Replacement Grinding Wheel—for No. 10900 Blade Sharpening Kit.

No. 11628—Replacement Blades—pair, steel, same as furnished with Model 100 Plane.

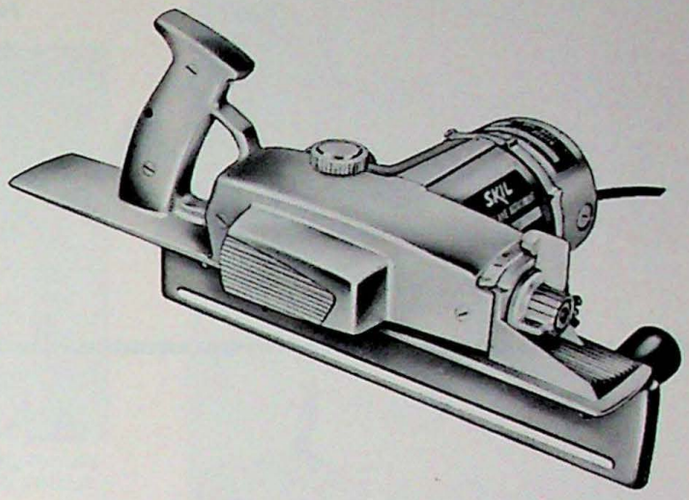
No. 10625—Replacement Drive Belt for Model 100 Plane.

Replacement blades, pair, carbide tipped (for use on extremely hard or abrasive non-metallic materials, not stocked at factory; contact your local SKIL Service Center for specifications and price).

PLANE

2⅜" MODEL 296

FOR EDGE PLANING



Low cost plane provides fast, accurate edging on all types of cabinet work, doors, windows, sashes, screens.

Plane is powered by No. 5000 Router Motor which easily removes for use with No. 17067 Router Base (available separately at small extra cost, see components below). *You can have two tools for little more than the cost of one!*

Model 296 Plane has bevel adjustment from 15° outward to 45° toward shoe. Convenient depth adjustment is controlled within easy reach of thumb—even while plane is in operation. Has micrometer adjustment for leveling plane cutter with rear shoe for straight accurate planing. High speed ¾ h.p. motor gives smooth edges even on plywood and other splinter-prone materials. Also has long 16" shoe, chip deflector, lightweight. *Specify voltage.*

Components including Motor, Plane Attachment and Router Base may also be purchased separately, see below.

SPECIFICATIONS

equipment: No. 5000 Router Motor, No. 3650 Plane Attachment with spindle, No. 20717 spiral plane cutter, 2 wrenches, 3-wire cord and connector.
general specifications:
motor: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.
bearings: All ball-bearing construction.
switch: Recessed single-pole toggle switch.

model no.	width of cut inches	depth of cut, inches	no-load speed, cutter head, r.p.m.	amp. rating at 115V	length overall inches	net weight, lbs.	shpg. weight, lbs.
296	2⅜	0—⅛	23,000	6.5	16	9½	13

PLANE—ROUTER COMPONENTS

Ⓐ NO. 5000 ROUTER MOTOR

Powerful, high speed ¾ h.p. motor is the basic unit for use with No. 3650 Plane Attachment and No. 17067 Router Base. Lets you have both a plane and router at substantial savings since only one motor is needed. Also is used with No. 20750 Sharpening Attachment. Includes wrench. *Specify voltage.*
Net weight: 5 lbs. Shipping weight: 6¼ lbs.

Ⓑ NO. 17067 ROUTER-BASE

For use with No. 5000 Motor to make router identical to and with same features as No. 297 Router. Has non-marring, high impact polystyrene sub-base, two auxiliary handles, plastic eyeshield. *See Page 28 for Router specifications.*
Net weight: 1¼ lbs. Shipping weight: 2¼ lbs.

Ⓒ NO. 3650 PLANE ATTACHMENT

For use with No. 5000 Motor to make plane identical to and with same features as No. 296 Plane. Includes spindle, No. 20717 spiral cutter and wrench.
Net weight: 4½ lbs. Shipping weight: 7¼ lbs.

PLANE—ROUTER ACCESSORIES

Ⓓ NO. 20750 PLANE CUTTER SHARPENING ATTACHMENT

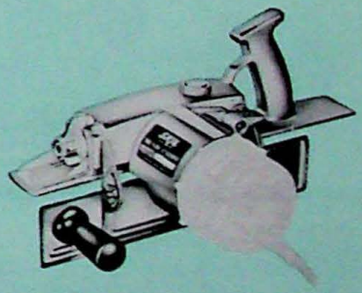
For fast, accurate sharpening of spiral plane cutter. Includes motor holding assembly, No. 20595 grinding wheel, guide assembly and plastic eye shield.
Net weight: 3 lbs. Shipping weight: 4½ lbs.

No. 20595—Replacement Grinding Wheel—for No. 20750 Sharpening Attachment.

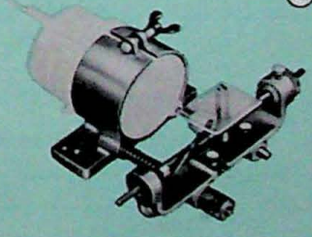
No. 20717—Spiral Plane Cutter—same as furnished with No. 296 Plane and 3650 Plane Attachment. Has precision-ground edges; 5/16" center hole.

Ⓐ ROUTER MOTOR

Ⓑ ROUTER BASE



Ⓒ PLANE ATTACHMENT



Ⓓ PLANE CUTTER SHARPENING ATTACHMENT

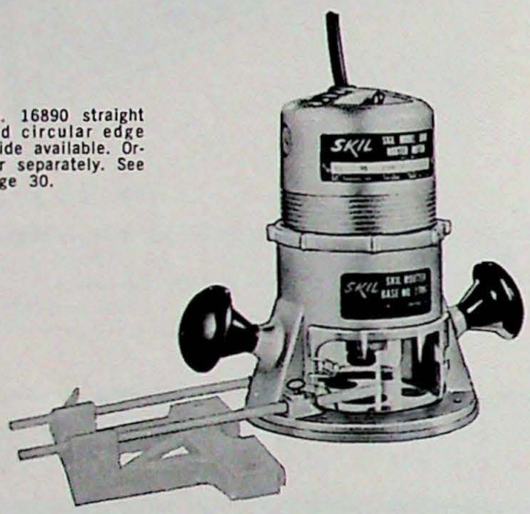
ROUTERS

No. 16890 straight and circular edge guide available. Order separately. See page 30.

½ H.P. MODEL 295 (heavy-duty)

For routing, grooving, dadoing, beading, rabbeting, trimming, mortising, cove-cutting and a wide range of decorative cutting.

Lightweight, easy to handle; powerful ½ horsepower motor maintains top bit speed for fast, smooth, accurate work. Built-in chuck lock makes bit changing fast, easy—only one wrench needed. May be used with Hinge Butt Template Kit and Veneer and Laminate Trimming Attachment (see page 29). Motor may also be used to power No. 3650 Plane Attachment, see page 27. *Specify voltage.*

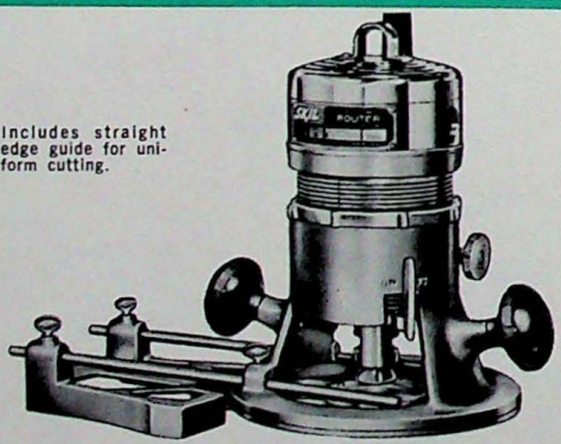


No. 16890 straight and circular edge guide available. Order separately. See page 30.

¾ H.P. MODEL 297 (heavy-duty)

Does same jobs as Model 295 but is more powerful for more efficient handling of production work.

Powerful ¾ horsepower motor develops plenty of power for fast, accurate production work. Clear plastic eyeshield eliminates dust being thrown in operator's eyes during close-up work. Built-in chuck lock for fast bit changing with only one wrench. Does door and jamb mortising very fast when used with Hinge Butt Template Kit (page 29). Excellent also for use with Veneer and Laminate Trimming Attachment (page 29). Model 297 consists of No. 5000 Motor and No. 17067 Router Base which may be purchased separately. Motor also powers No. 3650 Plane Attachment, see page 27. *Specify voltage.*



Includes straight edge guide for uniform cutting.

1¾ H.P. MODEL 299 (heavy-duty)

For cabinet shops, shipyards, furniture manufacturers and for sink and counter top cut-out and edge trimming work.

Powerful, easy-handling. Features extra powerful, full 1¾ horsepower motor for super-smooth cuts. Conveniently located handles allow easy control, precision cutting; "thumb reach" switch lever provides instant power control. Die-cast aluminum alloy housing gives light weight with great strength. Has simple adjusting ring that maintains accurate depth control. Excellent for use with trimming attachment, see page 29. *Specify voltage.*

SPECIFICATIONS

equipment: All models have 3-wire cord and plug, necessary collet wrenches. Model 295 includes motor, base and one ¼" collet. Model 297 includes No. 5000 motor unit, No. 17067 base and one ¼" collet. Model 299 includes motor, base, one each ¼" and ½" collets and straight edge guide.

general specifications:

motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.

bearings: All precision ball types.

switches: Recessed single-pole on Models 295 and 297; double-pole toggle with "thumb-reach" lever on Model 299.

sub-bases: Non-marring, high-impact polystyrene on Models 295 and 297; non-marring, chrome-plated steel on Model 299.

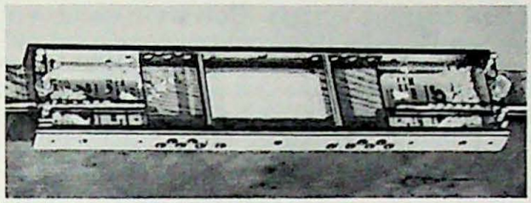
model no.	capacity, h.p.	no-load speed, r.p.m.	amp. rating at 115V	base plate dia., inches	overall height, inches	net weight, lbs.	shpg. weight, lbs.
295	½	23,000	4.75	5⅝	6½	5¾	8
297	¾	23,000	6.5	5⅝	6½	5¾	8
299	1¾	23,000	12	8	10	12¾	19

ROUTER ACCESSORIES

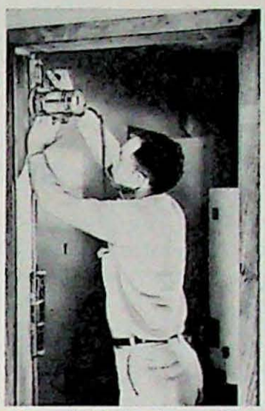
Ⓐ NO. 17070 HINGE-BUTT TEMPLATE KIT*

For hanging doors far faster and easier!

Template Kit is easily set-up for mortising for hinge butts on 6′ 8″ or 7′ doors.



Mortises are quickly and accurately routed to pre-set size to accommodate hinge butts.



Move kit to jamb; mortise without changing settings.

Designed specifically to simplify and greatly speed-up mortising for hinge butts on 6′ 8″ or 7′ wood doors and jambs with 7″-11″ hinge placements.** Eliminates measuring, calculating and layout. Makes it possible for anyone to quickly and accurately hang doors!
Mortises for 2½″ to 5½″ hinge sizes when used with Model 295 and 297 Routers; to 3½″ hinge sizes with Model 299 Router.
"Retracto" pins automatically locate template on jambs for either 1⅜″ or 1¾″ door thicknesses. No need to nail temporary door stops.
All steel construction.
Packed in handy steel carrying case. Easy-to-follow instructions are mounted inside case lid.

equipment: Three templates with connecting rods, nail puller, extra nails, carrying case, No. 17088 Surfacing Bit, No. 17089 Template Guide, No. 11587 Lock Nut and No. 17831 Corner Chisel.

Net weight: 9¼ lbs. Shipping weight: 16 lbs.

**For 4-hinge doors or hinge placements other than 7″-11″, standard 5/16″ threaded bolt stock (obtainable locally) may be used for spacing rods in place of those supplied with kit.

No. 17831 Corner Chisel—For squaring mortises when installing square-cornered hinges. One piece design, easy-to-use, accurate. Same as furnished with No. 17070 Template Kit.

VENEER AND LAMINATE TRIMMING ATTACHMENT

For smooth, accurate trimming of edges on wood veneers and plastic laminates. Excellent for use in furniture construction, counter top work, kitchen and bath "built-ins" etc.

Adjustable for both flush and bevel trimming . . . both operations are performed with one bit! For flush cutting, bit is centered exactly with guide wheel by using set-up pin. For bevel cutting, micrometer-type adjustment permits accurate alignment. Positive-locking, vibration-proof controls maintain accuracy throughout the cut.
Order components listed below separately as follows:
For use with Models 295 and 297 Routers, order No. 19200, No. 19627 and No. 19628.
For use with Model 299 Router, order No. 19200, No. 19627 and No. 19901.

Ⓑ NO. 19200 VENEER TRIMMING GUIDE

Attaches to No. 19628 or No. 19901. Sub-Base for veneer trimming applications. Has replaceable, non-marring nylon guide roller wheel. Includes set-up pin for centering bit exactly with roller wheel.

Ⓒ NO. 19627 CARBIDE TIPPED BIT

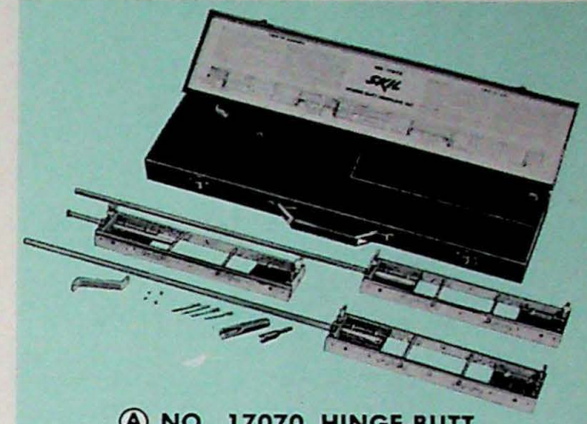
Precision ground combination bit for both flush and bevel cutting of wood veneers, plastics and decorative laminates.

Ⓓ VENEER-TRIMMING SUB-BASES

Have high impact, non-marring surface with pre-drilled holes for attaching No. 19200 Guide.

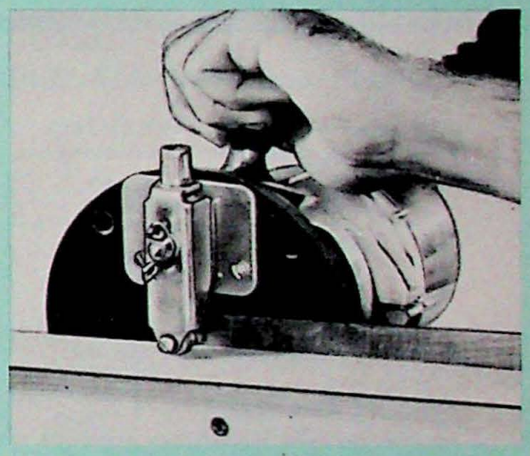
No. 19628—For Model 295 and 297 Routers.
No. 19901—For Model 299 Router.

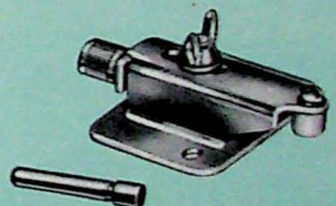
*Hinge-Butt Template Kit, Patent No. 2,869,245



Ⓐ NO. 17070 HINGE-BUTT TEMPLATE KIT

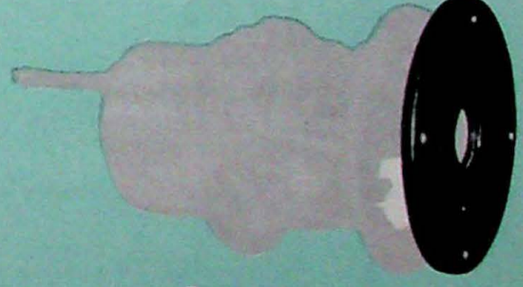
VENEER AND LAMINATE TRIMMING ATTACHMENT
(See components illustrated below)





Ⓑ NO. 19200 VENEER TRIMMING GUIDE

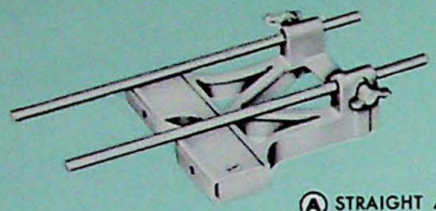
Ⓒ NO. 19627 CARBIDE TIPPED BIT



Ⓓ VENEER-TRIMMING SUB-BASE

See Pages 30 and 31 for additional Router Accessories.

ROUTER ACCESSORIES



Ⓐ STRAIGHT AND CIRCULAR EDGE GUIDE

Ⓑ BIT SHARPENING ATTACHMENT

Ⓐ NO. 16890 STRAIGHT AND CIRCULAR EDGE GUIDE

Easily attaches to Models 295 and 297 (as illustrated on Page 28) for accurate spacing of grooves, dadoes, rabbets, etc. from 0" to 5" away from edge of straight or circular material.

Ⓑ NO. 19250 BIT SHARPENING ATTACHMENT

For sharpening router bits and shaping cutters. Universal stand will accommodate Models 295, 297 and 299 Routers. Sharpens ¼" and ½" shank router bits and 5/16" center hole shaping cutters. Adjustable for one, two and three cutting edges. Complete kit includes grinding fixture, adapter for ¼" shank bits, adapter for 5/16" shaping cutters, universal stand and No. 20199 grinding wheel. Size of grinding fixture: 6⅝" long; 3¾" wide; 2¼" high.

Net weight: 2¼ lbs. Shipping weight: 3 lbs.

No. 20199—Replacement Grinding Wheel for No. 19250 Sharpening Attachment.

COLLETS and TEMPLATE GUIDES

COLLETS

Permit the use of different shank diameter bits.

part no.	for bit shank size	for router model no.
10510	¼"	299*
10511	5/16"	299
10512	⅜"	299
10513	½"	299*
17056	¼"	295, 297*

*Included as standard equipment with tool.

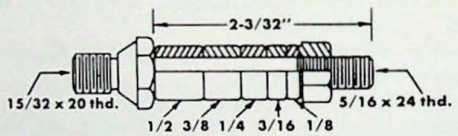
COLLET ADAPTERS

For reducing collet diameters to permit use of smaller diameter bits.

part no.	for collet size	for bit shank size	overall length
11581	¼"	1/16"	1"
11582	¼"	3/32"	1"
11583	¼"	⅛"	1"
11584	¼"	5/16"	1⅛"
10557	5/16"	¼"	1"
10558	½"	5/16"	1"

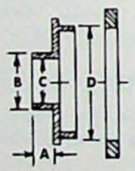
NO. 18892 ARBOR ASSEMBLY

For use in mounting shaping cutters on Models 295 and 297 Router. Has 5 spacer collars with dimensions shown.



TEMPLATE GUIDES

For guiding routers along patterns and templates when duplicating designs. Eliminate possibility of bit cutting pattern. Guides attach to sub-base of Models 295, 297 and 299 with No. 11587 lock nut. (Order separately.)

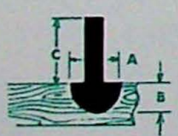


"D" Dimension: 1 3/16—24 Thread

part no.	dimensions A	B	C
11591	⅜	⅜	19/64
11592	3/16	7/16	23/64
11593	⅜	½	27/64
11590	7/16	¾	43/64
11589	13/32	1	51/64
11588	⅜	1¼	1 3/64
17089*	⅝	21/32	9/16
11587	Lock nut for template guides.		

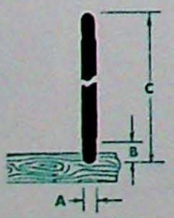
*For hinge-butt mortising; all other guides for general routing.

SKIL ROUTER BITS



¼" SHANK CORE BOX BITS—TWO FLUTES

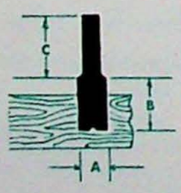
part no.	dimensions A	B	C
11556	¼	5/16	15/16
11557	⅜	5/16	⅞
11555	½	⅜	⅞
11554	⅝	5/16	⅞
11551	¾	11/16	⅞



DOUBLE-END VEINING BITS—SINGLE FLUTE

part no.	shank dia. inches	dimensions A	B	C
19139	⅛	1/16	⅛	1½
19140	⅛	3/32	3/16	1 9/16
19141	3/16	⅛	5/16	2

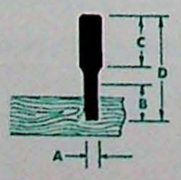
NOTE: Use collet adapters with above bits.



¼" SHANK STRAIGHT BITS—TWO FLUTES

part no.	dimensions A	B	C
11564	¼	11/16	15/16
11567	5/16	11/16	15/16
11568	⅜	11/16	15/16
11565	7/16	11/16	15/16
11566	½	11/16	15/16
19121	⅝	⅝	1
19122	¾	⅝	1
19123*	¼	1⅛	1 3/16

*Extra long

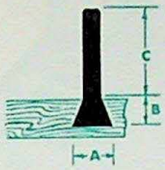


¼" SHANK STRAIGHT BITS—SINGLE FLUTE

part no.	dimensions A	B	C	D
19124	1/16	3/16	1	1⅜
19125	⅛	⅜	1	1½
19126	3/16	7/16	1	1½

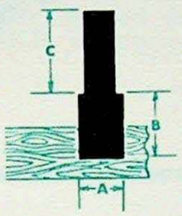
ROUTER ACCESSORIES

SKIL ROUTER BITS (continued)



¼" SHANK DOVETAIL BITS—TWO FLUTES

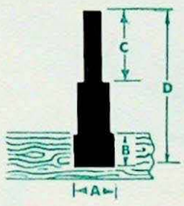
part no.	dimensions A	B	C
19133 (small dovetail)	9/32	3/8	1 1/4
19134 (large dovetail)	9/16	17/32	1 3/32



½" SHANK STRAIGHT BITS—TWO FLUTES (FOR MODEL 299 ROUTER ONLY)

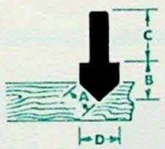
part no.	dimensions A	B	C
19127	1/2	1 1/8	1 7/16
11563	5/8	1 1/8	1 7/16
11562	3/4	1 1/8	1 7/16
11561	7/8	1 1/8	1 7/16
11569	1	1 1/8	1 7/16
19128*	1/2	1 7/8	2 1/8

*Extra long



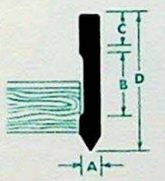
¼" SHANK SURFACING BIT—TWO FLUTES

part no.	dimensions A	B	C	D
17088	1/2	13/32	15/16	2 1/16



¼" SHANK "V" GROOVING BITS —TWO FLUTES

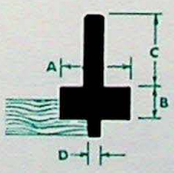
part no.	dimensions A	B	C	D
19129	11/32	7/16	1	15/32
19130	7/8	13/16	1	1 15/64



¼" SHANK COMBINATION PANEL BIT SINGLE FLUTE

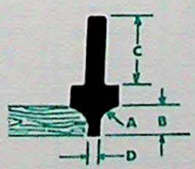
part no.	dimensions A	B	C	D
19142	1/4	3/4	1 5/16	2 5/8

NOTE: Combination Panel Bits drill their own starting holes.



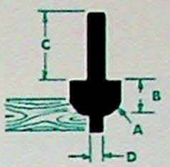
¼" SHANK RABBETING BITS—TWO FLUTES

part no.	dimensions A	B	C	D	width of rabbet
19131	1 1/16	7/16	1	3/16	1/4
19132	1 5/16	1/2	1	3/16	3/8



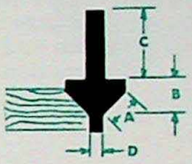
¼" SHANK ROUNDING-OVER BITS TWO FLUTES

part no.	dimensions A	B	C	D
11560	1/4	17/32	7/8	3/16
11559	3/8	3/4	7/8	3/16
11558	1/2	3/4	7/8	3/16



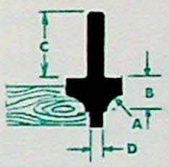
¼" SHANK COVE BITS—TWO FLUTES

part no.	dimensions A	B	C	D
11553	3/16	9/16	7/8	3/16
11550	1/4	9/16	7/8	3/16
11552	3/8	3/4	7/8	3/16
11573	1/2	3/4	7/8	3/16



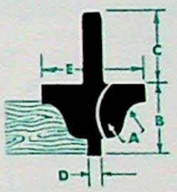
¼" SHANK CHAMFERING BIT—TWO FLUTES

part no.	dimensions A	B	C	D
11839	1/2	3/4	7/8	3/16



¼" SHANK BEADING BITS—TWO FLUTES

part no.	dimensions A	B	C	D
11572	1/8	1/2	7/8	3/16
11571	1/4	9/16	7/8	3/16
11570	3/8	3/4	7/8	3/16



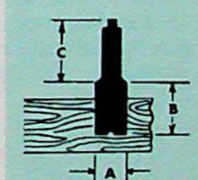
¼" SHANK ROMAN OGEE BITS—TWO FLUTES

part no.	dimensions A	B	C	D	E
19135	5/32	3/4	1	3/16	31/32
19136	1/4	1	1	3/16	1 3/16

¼" SHANK OGEE BITS—TWO FLUTES

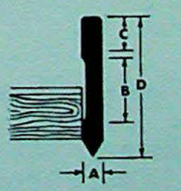
part no.	dimensions A	B	C	D	E
19137	3/16	5/8	1	3/16	13/16
19138	9/32	29/32	1	3/16	1 3/16

SKIL CARBIDE-TIPPED BITS



¼" SHANK STRAIGHT BITS—TWO FLUTES

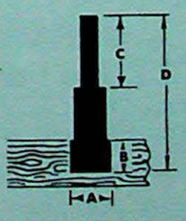
part no.	dimensions A	B	C
19143	1/4	5/8	1 1/16
19144	3/8	7/8	1
19145	1/2	3/4	1 1/8



¼" SHANK COMBINATION PANEL BIT SINGLE FLUTE

part no.	dimensions A	B	C	D
19146	1/4	3/4	1 5/16	2 5/8

NOTE: Combination Panel Bits drill their own holes.

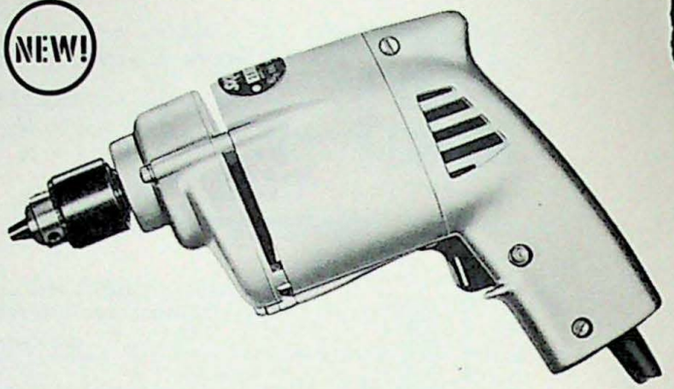


¼" SHANK SURFACING BIT—TWO FLUTES

part no.	dimensions A	B	C	D
19147	1/2	5/16	1 3/16	1 13/16

SKIL DRILLS

NEW!



¼" MODEL 70 (standard duty)

Lowest priced ball bearing industrial drill you can buy!

Here's power, lightweight handling ease and ball-bearing construction at extremely low cost. Perfect for most drilling jobs encountered by tradesmen. Has cool-running 2.5 amp motor; precision cut helical gears; rugged, lightweight, die cast aluminum housing; trigger switch and pin for locking in "on" position; quality construction throughout. *Specify voltage.*

¼" MODEL 75 (heavy-duty)

Provides greater power for constant use on production work and installation jobs yet is lightweight.

Sturdily built with precision gears, 4 heavy-duty ball bearings and 2 needle-roller bearings for dependable performance. Has easily removed inspection cover, trigger switch, pin for locking in "on" position. New Heavy-Duty Compact Chuck has all hardened parts for longest life, is lightweight for less strain on drill bearings, compact for close quarter drilling, chrome finished for rust resistance. Available with standard speed (1800 r.p.m.) or choice of six optional speeds (see specifications). *Specify voltage and speed.*

Features New
Heavy Duty
Compact Chuck

¼" MODEL 243 (heavy-duty)

Powered and geared for continuous heavy duty drilling on production lines or in maintenance and repair work.

Gives peak performance where lower quality tools might overload. Has "in line" handle design that makes it easy to control drill and apply direct pressure with one hand. Features rugged 3 ball and 3 needle-roller bearing construction, precision gears, trigger switch, pin for locking in "on" position, sturdy die cast aluminum housing. *Specify voltage.*

equipment, all models: Geared chuck with key, key holder (except Model 70), 3-wire cord and plug.

motors: Universal, D.C. or A C. up to 60 cycles.

voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.

switches: Models 75, 243—enclosed double pole, momentary contact trigger switches with locking pin. Model 70—enclosed single pole, momentary contact trigger switch with locking pin.

bearings: Model 70—3 ball bearings, 1 needle-roller bearing; Model 75—4 ball, 2 needle-roller bearings; Model 243—3 ball, 3 needle-roller bearings.

model no.	duty rating	cap. in steel, inches	standard speeds: no-load r.p.m.	standard speeds: full load rpm.	optional speeds: no extra cost r.p.m.	optional speeds: extra cost r.p.m.	amp rating at 115v	length overall, inches	net weight, lbs.	shpg. weight, lbs.
70	standard	¼	2500	1500	—	—	2.5	8¾	2½	4¼
75*	heavy	¼	1800	1100	2500, 3500, 5000	500, 750, 1000	3	7¼	3¼	5
243*	heavy	¼	2000	1200	—	—	4	11⅞	5¾	8

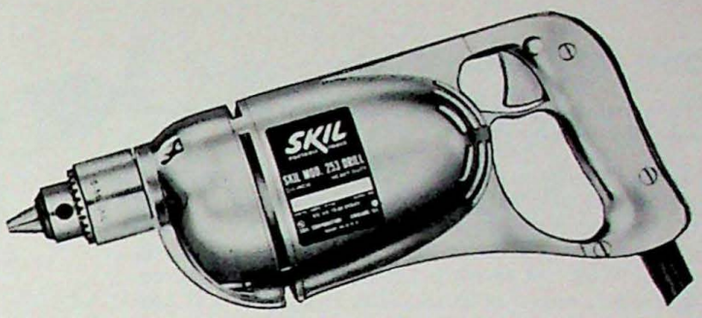
*Available with keyless chuck at extra cost.

DRILLS

5/16" MODEL 253 (heavy-duty)

Equipped with rugged, oversize motor that delivers plenty of extra power for continuous production use.

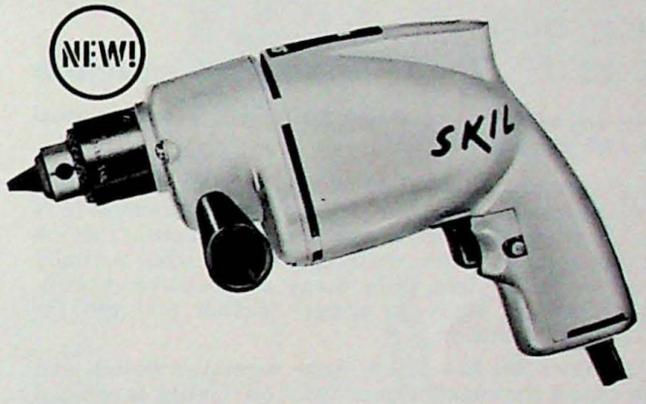
Compact and lightweight for easier day-long use. Has "in line" handle, trigger switch, pin for locking in "on" position, cord protector, 4 ball and 2 needle bearing construction, precision gears, rugged die cast aluminum housing and traditional SKIL quality construction throughout. *Specify voltage.*



3/8" MODEL 76 (standard duty)

An outstanding combination of power, performance, and lightweight — all at low cost!

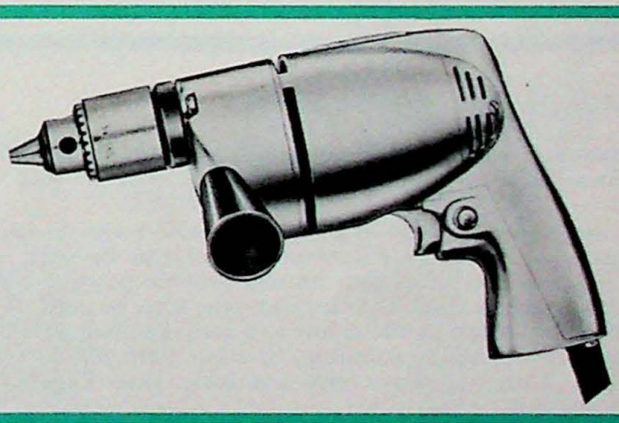
Has plenty of power for handling almost any job. Big 3/8" capacity in steel. Convenient side handle gives extra control when using large bits, wood augers, hole saws; quickly removes for close quarter drilling. Has trigger switch, pin for locking in "on" position, 3 ball and 3 sleeve bearing construction, die cast aluminum housing. *Specify voltage.*



3/8" MODEL 78 (heavy duty)

Combines the extra light weight, compactness and convenience of a pistol-grip drill with high torque, large chuck capacity and "tough job" power.

Produces high torque at 750 r.p.m. Quality built with 5 ball and 3 needle-roller bearings and precision-cut spur type gears. Has trigger switch; pin for locking in "on" position; cord protector; removable side handle. Has heavy-duty chuck that has all hardened parts for longest life; chrome finish for rust-resistance. *Specify voltage.*



SPECIFICATIONS

equipment: Geared chuck with key and key holder (Model 76 does not have key holder), 3-wire cord and plug. Models 76 and 78 also include removable auxiliary side handle.
motors: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.

switches: Models 253 and 78—enclosed double pole, momentary contact trigger switches with locking pins; Model 76—enclosed single pole momentary contact switch with locking pin.

bearings: Models 253 and 78 — all ball and needle roller; Model 76 ball and sleeve bearings.

model number	duty rating	cap. in steel, inches	standard speeds r.p.m. no load	standard speeds r.p.m. full load	optional speeds r.p.m. no extra cost	optional speeds r.p.m. extra cost	amp. rating 115V	length overall, inches	net weight lbs.	shpg. weight lbs.
253*	heavy	5/16	1500	900	—	1000	4	11 7/8	6 1/2	8
76	standard	3/8	1000	600	—	—	2.8	9 5/8	4 1/4	6
78	heavy	3/8	750	450	500, 1000	—	3	8 1/4	4 1/4	6

* Available with keyless chuck at extra cost.

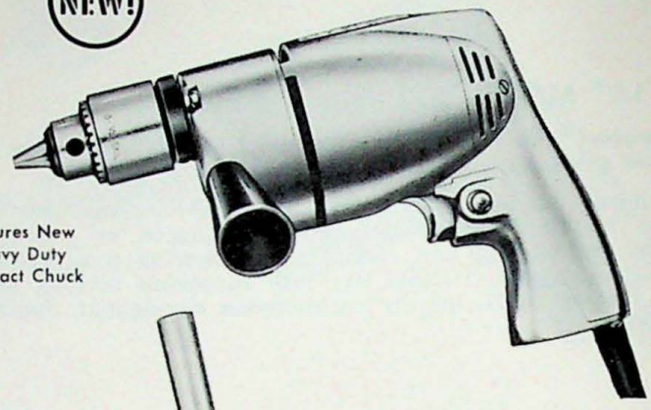
DRILLS

NEW!

½" MODEL 79 (standard duty)

This new low cost drill handles big capacity jobs; is powerful, extremely easy to handle.

Combines big capacity, compactness and lightweight. Custom made Heavy-Duty Compact Chuck is light and rugged to provide superb balance and handling ease with less strain on drill bearings. Chuck has all hardened parts for long life, chrome finish for rust resistance. Side handle gives extra control. Has rugged 5 ball and 3 needle bearing construction; precision cut gears, trigger switch with locking pin; light, sturdy die cast aluminum housing. *Specify voltage.*



Features New Heavy Duty Compact Chuck

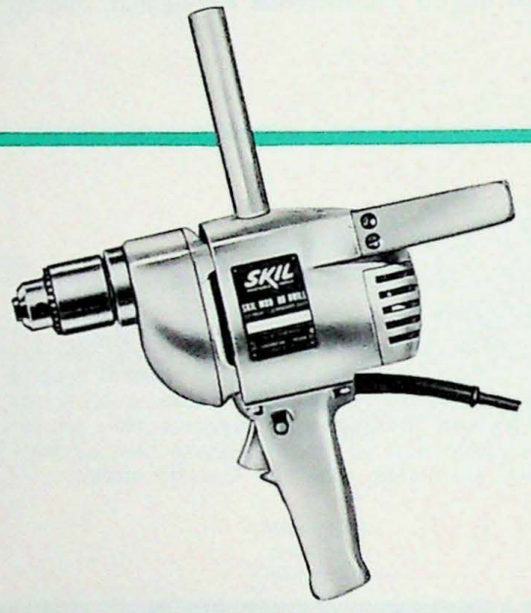
½" HEAVY DUTY

MODEL 80 — MODEL 290, reversing

Built to provide plenty of power plus complete, positive control for really fast drilling.

Compact power unit, helical gears and 3 ball and 3 needle roller bearing construction for dependable continuous performance. Rear spade handle and top pipe handle can be removed for close quarter drilling. Lightweight—actually weighs almost 6 lbs. less than many competitive models. Die cast aluminum housing, trigger switch and pin for locking in "on" position.

Reversing model 290 has safety type reversing switch and locked-on chuck that can't slip or twist off. Chuck is pressed on a tapered spindle *then locked on to stay on!*
Specify voltage.



½" MODEL 263 (heavy-duty)

New, compact, extremely versatile drill that has the capacity and power to handle big drilling jobs.

Full 5 amp rating. Rugged ball and needle roller bearing construction. Auxiliary side handle that can be used on either side and "in line" rear handle provide positive control. Has trigger switch with locking pin. Can be used with No. 209 Right Angle Attachment and Self-Feeding Bits for drilling between joists, studding, in other tight places (see Page 37). Carrying Case also available (see Page 37). *Specify voltage.*

SPECIFICATIONS

equipment: Geared chuck with key and key holder; 3-wire cord and plug. Models 79 and 263 have removable side handle; Models 80 and 290 have detachable rear and pipe handles.

motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.
switches: Enclosed double pole, momentary contact trigger switches with locking pins. Model 290 has slide-type reversing switch in handle.
bearings: All ball and needle roller bearings.

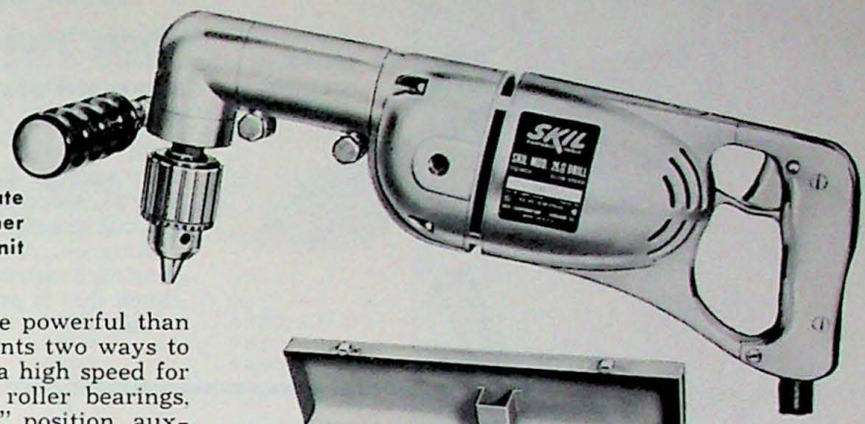
model number	reversing model no.	duty rating	cap. in steel, inches	standard speeds—r.p.m. no load	standard speeds—r.p.m. full load	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
79	—	standard	½	500*	300	3	8¼	4¼	6
80	290	heavy	½	450	275	4.5	12¼	9½	11
263	—	heavy	½	600	360	5	13½	8¼	11

*Available with 750 or 1000 r.p.m. speed at no extra cost.

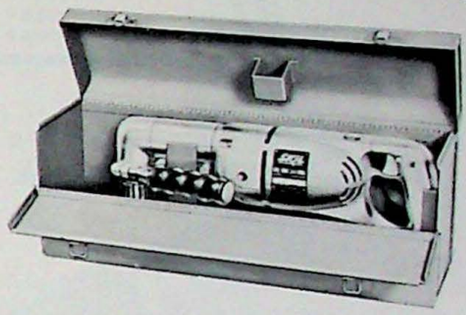
DRILLS

½" RIGHT ANGLE MODEL 268 (heavy duty)

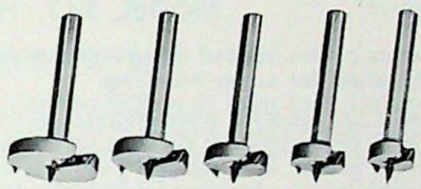
Powerful ½" Right Angle Drill for easy, accurate drilling between joists and studs, in many other normally inaccessible spots . . . right angle unit quickly removes for regular drilling jobs.



Handles almost any drilling job. 50% more powerful than competitive models. Right angle drive mounts two ways to give a low speed for boring large holes or a high speed for drilling small holes. Has ball and needle roller bearings, trigger switch with pin for locking in "on" position, auxiliary handle that attaches to either side of drill, or to fully adjustable collar on right angle attachment. *Specify voltage.*



Model 268 comes complete with No. 20493 steel carrying case and No. 22368—2 9/16" self-feeding bit.



SELF-FEEDING BITS

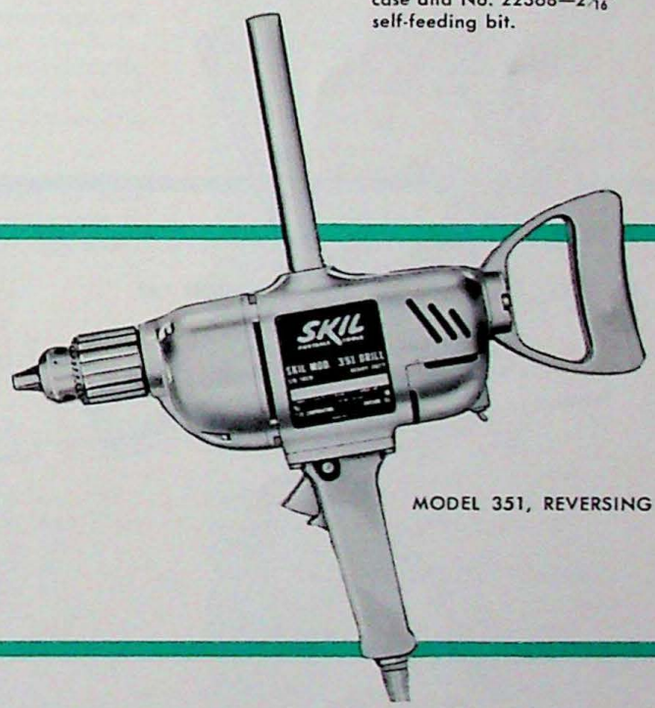
No. 22370 Self-Feeding Bit Kit and five sizes of Self-Feeding Bits are available for use with Model 268 Right Angle Drill and other ½" or larger Skil Drills. These bits are excellent for boring holes from 1¼" to 2 9/16" particularly where application of pressure by operator is difficult or impossible. See Page 37 for complete information.

½" SUPER DUTY

MODEL 283* MODEL 351, reversing*

For use wherever large capacity, power, compactness and handling ease are important.

Built for long service. Drills up to ½" in steel, 1½" in hardwood. Extremely powerful, yet compact and easy to handle. Spade type rear handle can be mounted horizontally or vertically or entirely removed. Pipe handle also removable. Ball and needle roller bearing construction, trigger switch, locking pin, die cast aluminum housing. Model 351 (illustrated) has conveniently located reversing switch and locked-on chuck that can't slip or twist off. *Specify voltage.*



MODEL 351, REVERSING

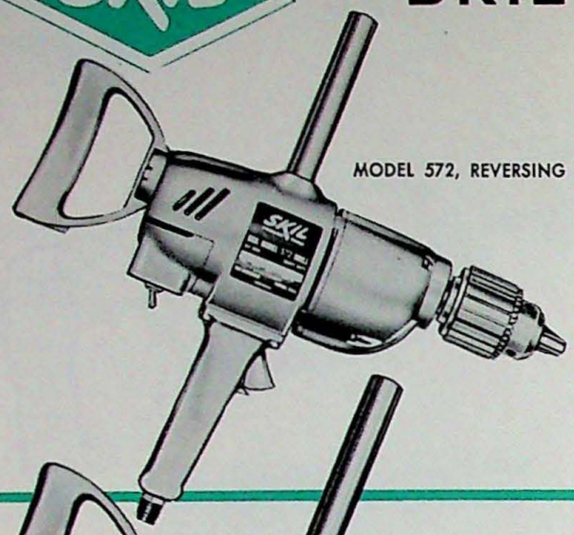
SPECIFICATIONS

equipment: All models have geared chuck with key and key holder, 3 wire cord and plug. Model 268 has auxiliary side handle, No 22368—2 9/16" self feeding bit and carrying case. Models 283, 351, have detachable rear and pipe handles.
motors: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.
switches: Enclosed double pole, momentary contact trigger switches with locking pins. Model 351 has toggle reversing switch.
bearings: All ball and needle roller bearing construction.

model no.	reversing model no.	duty rating	cap. in steel, inches	standard speeds—r.p.m. no load	standard speeds—r.p.m. full load	amp. rating at 115V	length overall, inches	net weight, lbs.	shipping weight, lbs.
268	—	heavy	½	400 low 900 high 600 without right angle	240 540 360	5	16¼	10½	23
283*	351*	super	½	550**	350	6	15	13	15

*Available with No. 2 Morse Taper Socket in place of geared chuck at no extra cost.
**Available with 1000 r.p.m. no load speed at extra cost.

DRILLS



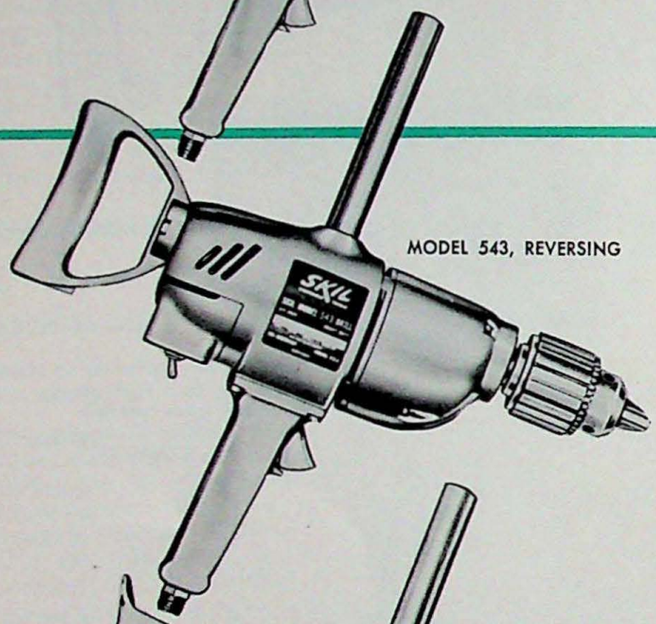
MODEL 572, REVERSING

5/8" SUPER DUTY

MODEL 2103* MODEL 572, reversing*

Built to give powerful, continuous performance on every tough drilling job.

Drill up to 5/8" in steel. Powerful motor delivers tremendous torque. Exceptional balance and handling ease cut fatigue, speed up work. Pipe and rear handles remove for drilling in tight areas. Both models have trigger switch with locking pin, spring-type cord protector, all ball and needle bearing construction. Reversing model features key locked chuck that is pressed on the tapered spindle then locked on to stay on . . . it can't twist or pull out! *Specify voltage.*



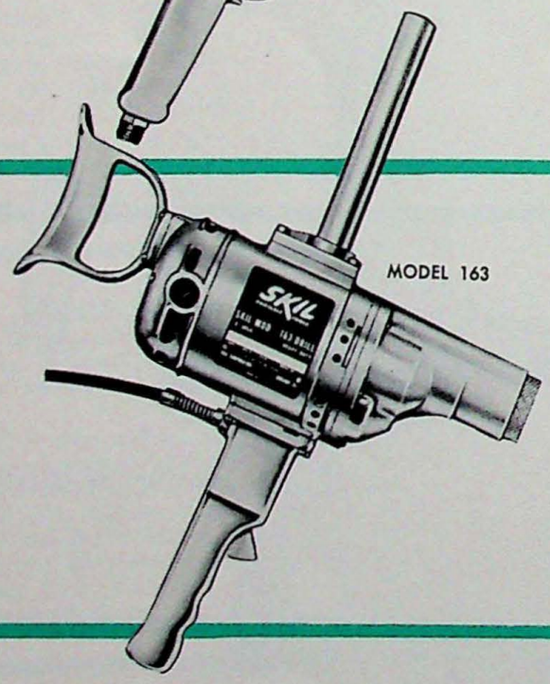
MODEL 543, REVERSING

3/4" SUPER DUTY

MODEL 2123** MODEL 543, reversing**

Feature tremendous power, rugged construction and big capacity . . . yet lightweight for easier handling.

Outstanding drills for use with wood augers for deep boring in timbers or with twist drills in drilling up to 3/4" in steel. Have 4 ball and 4 needle bearings for years of dependable service. Die cast aluminum housing for lightweight, ruggedness. Trigger switch, locking pin, spring type cord protector. Removable pipe and rear handles—rear handle mounts horizontally or vertically. Reversing model has key locked chuck that can't twist or pull off under heaviest load! *Specify voltage.*



MODEL 163

1" SUPER DUTY

MODEL 163 MODEL 443, reversing

Designed for the most severe service—wherever large capacity and day-in and day-out dependability are required.

Drill up to 1" in steel. No. 3 Morse Taper socket is recessed into drills gear housing to reduce length, provide better balance and control. Long contour grip switch handle, adjustable rear handle and extra long pipe handle also aid control. Both models have trigger switch, pin for locking in "on" position, spring-type cord protector, rugged cast aluminum housings. *Specify voltage.*

SPECIFICATIONS

equipment: Adjustable spade type rear handle; detachable pipe handle; 3 wire cord and plug. Models 2103, 572, 2123, 543 have geared chuck with key and key holder. Models 163, 443 have No. 3 Morse Taper socket.

general specifications:

motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.

switches: Enclosed double pole, momentary contact trigger switches. Models 572, 543, 443 also have toggle reversing switch.

bearings: All ball and needle-roller construction; Morse Taper mounted in bronze sleeve bearings in Models 163, 443.

				standard speed r.p.m.		no load optional speeds r.p.m.					
model no.	reversing model no.	duty rating	cap. in steel, inches	no load	full load	no extra cost	extra cost	amp rating at 115	length overall, inches	net weight, lbs.	shpg. weight, lbs.
2103*	572*	super	5/8	450	275	—	1000	8	16 1/8	14 1/4	18
2123**	543**	super	3/4	375	225	450	1000	9	17 3/4	16 1/4	19
163	443	super	1	375	225	225, 300, 450	—	9	18 3/8	25 1/2	30

*Available with No. 2 Morse Taper socket in place of geared chuck at no extra cost.

**Available with No. 2 or No. 3 Morse Taper socket in place of geared chuck at no extra cost.

DRILL ACCESSORIES

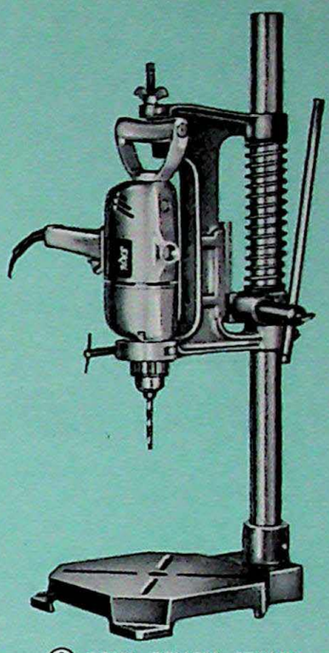
Ⓐ DRILL BENCH STANDS

Quality built, sturdy drill stands quickly convert SKIL Drills and Screwdrivers (see Page 46) into stationary tools. When used with drills, these stands greatly increase accuracy in drilling small parts and are ideal for hole saw work. Rack and pinion gearing produces great feed pressure with little effort. Unusually heavy base and column provide maximum rigidity.

No. 6401—For Models 45, 47, 70, 75, 134, 161 Drills. **No. 6402**—For Models 241, 242, 243, 244, 250, 253, 260. **No. 6403**—For Models 64, 80, 181, 281. **No. 4870**—For Models 123, 163, 332, 443. **No. 9480**—For Models 283, 351. **No. 9490**—For Models 543, 571, 572, 2101, 2103, 2121, 2123.

SPECIFICATIONS—DRILL STANDS

part numbers:	6401 6402 6403	4870 9480 9490
vertical adjustment of column	14″	16″
maximum travel of drill head	4″	5″
drilling radius from column center	7″	8″
leverage ratio	20:1	26:1
shipping weight	40	58



Ⓐ DRILL BENCH STAND

SELF-FEEDING BITS

Excellent for fast drilling of holes from 1¼″ to 2⁹⁄₁₆″, especially when application of pressure is difficult or impossible, such as between studding, joists, in any tight location. Ideal for plumbers, electricians, carpenters, etc.

Threaded screw feeds cutters into wood without pressure being applied by operator. Blade and perimeter cutter quickly cut out the hole. Feed screws, blades and perimeter cutters are replaceable individually for economy. Designed for use with right angle drills but may be used with any ½″ or larger drills with auxiliary handles (except Models 79, 541, 542) for leverage control.

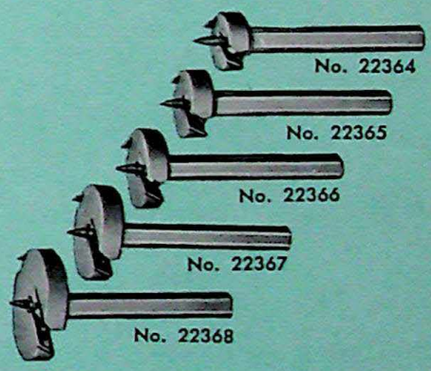
Ⓑ SELF-FEEDING BIT KIT

Ⓑ **No. 22370 SELF-FEEDING BIT KIT**—Complete assortment of five popular size bits (1¼″, 1½″, 1¾″, 2⅛″ and 2⁹⁄₁₆″), two replacement perimeter cutters, two replacement feed screws and steel carrying case.

Ⓒ INDIVIDUAL SELF-FEEDING BITS

Self-feeding bits and replacement parts may also be purchased individually by the following part numbers:

part no.	description	part no.	description
22364	1¼″ bit	22361	repl. perimeter cutter
22365	1½″ bit	22362	repl. feed screw
22366	1¾″ bit	22374	repl. blade for 1¼″ bit
22367	2⅛″ bit	22375	repl. blade for 1½″ bit
22368	2⁹⁄₁₆″ bit	22376	repl. blade for 1¾″ bit
		22377	repl. blade for 2⅛″ bit
		22378	repl. blade for 2⁹⁄₁₆″ bit

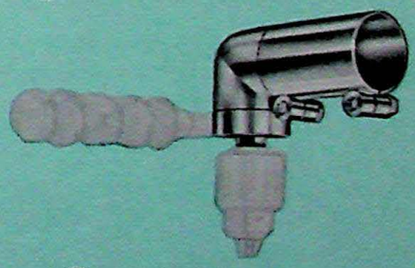


Ⓒ INDIVIDUAL SELF-FEEDING BITS

Ⓓ NO. 209 RIGHT ANGLE ATTACHMENT

Converts Model 263 drill to two-speed right angle drill. Low spindle speed for drilling holes 1½″ or larger; high spindle speed for fast drilling of smaller holes. Adjustable full 360°—locks in any position. Angle head and drill chuck require only 5½″ clearance for tight location drilling. Has ball and needle roller bearing construction. Drill chuck not included.

Net Weight: 2 lbs. Shipping Weight: 2¾ lbs.

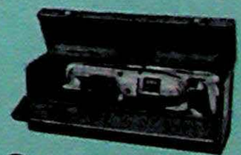


Ⓓ RIGHT ANGLE ATTACHMENT

Ⓔ NO. 20493 CARRYING CASE

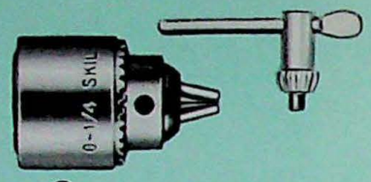
Sturdy, all-steel carrying case for No. 263 Drill and Right Angle Attachment. Same as furnished with No. 268 Right Angle Drill.

Net Weight: 7½ lbs. Shipping Weight: 9 lbs.

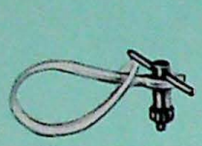


Ⓔ CARRYING CASE

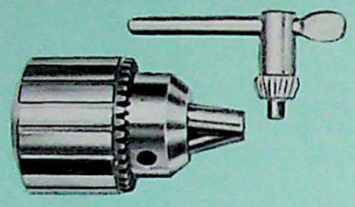
DRILL ACCESSORIES



Ⓐ SKIL COMPACT CHUCKS

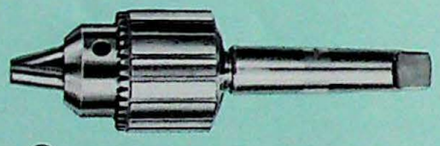


Ⓑ KEY HOLDER



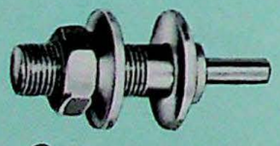
Ⓒ REGULAR CHUCKS

Ⓓ KEYLESS CHUCKS

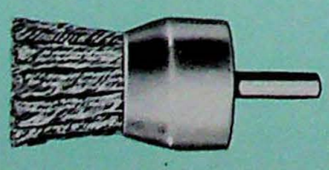


Ⓔ MORSE TAPER ARBOR
(SHOWN WITH GEARED CHUCK)

Ⓕ MORSE TAPER
REDUCING SLEEVE



Ⓖ ARBOR ADAPTER



Circular and end brushes for cylinder and valve work and many other cleaning jobs also available, see page 63.

Ⓐ NEW SKIL COMPACT CHUCKS

Only chucks specifically designed for portable drills. Compact design, hardened parts for longest life. Lightweight for less wear on bearings. Rust-resistant finish. Use also on other make drills having thread size indicated on chart.

chuck & key no.	key only no.	capacity	spindle & thread size	duty rating	for SKIL drill model nos.
2025	1752	¼"	⅜"–24	standard	70, 134, 138, 241, 161, 503, 549
3025	1752	¼"	⅜"–24	heavy	45, 47, 49, 75
2038	2752	⅜"	⅜"–24	standard	76, 560
3038	2752	⅜"	⅜"–24	heavy	78, 269
2150	2752	½"	⅜"–24	standard	541
3150	2752	½"	⅜"–24	heavy	79
2050	2752	½"	½"–20	standard	542, 544

Ⓑ **No. 23756 Key Holder**—Holds ¼", ⅜", or ½" key on drill cord for convenience, protection against loss.

Ⓒ REGULAR CHUCKS

Highest quality. For use on SKIL drills indicated and for on other drills having thread size or taper indicated.

chuck & key no.	key only no.	capacity	spindle and thread size	duty rating	for SKIL drill model nos.
1754	3385*	¼"	½"–20	heavy	242, 243, 244
1757	3387*	5/16"	½"–20	heavy	250, 253
4423	3766*	⅜"	½"–20	heavy	64, 260
1771	3766*	½"	½"–20	heavy	80, 181, 263, 268, 281
4424	9032*	½"	¾"–16	heavy	283
4425	9032*	⅝"	¾"–16	heavy	2101, 2103
1765	1766	¾"	¾"–16	heavy	123, 2121, 2123
4426	9032*	½"	#6 Jacobs Taper	heavy	351 (up to serial no. B78801)
20901	9032*	½"	#6 Jacobs Taper	heavy	351 (Serial No. B78801 Up)
4427	9032*	⅝"	#3 Jacobs Taper	heavy	571, 572 (up to Serial No. B83500)
23128	9032*	⅝"	#3 Jacobs Taper	heavy	572 (Serial No. B83500 Up)
1772	1766	¾"	#3 Jacobs Taper	heavy	332, 543 (up to Serial No. B783001)
21457	1766	¾"	#3 Jacobs Taper	heavy	543 (Serial No. B783001 Up)

*Includes key holder

Chuck Keys With Holders For Former Chucks

part no.	for chuck
3385	¼" Jacobs 7B and Supreme 4A
11238	⅜" Jacobs 2B
3387	⅜" Supreme H13A

Ⓓ KEYLESS CHUCKS

For users who prefer convenience of keyless chucks, the numbers below may be ordered for drills listed.

part no.	chuck capacity	spindle	for SKIL models
23070	¼"	⅜"-24	45, 47, 49, 241, 75, 134, 161
1756	¼"	½"-20	242, 243, 244
23072	5/16"	½"-20	250, 253

Ⓔ MORSE TAPER ARBORS

No. 1737—No. 2 Morse taper arbor. **No. 1767**—No. 3 Morse taper arbor. Arbors above fit drills with Morse taper sockets. Either arbor will mount No. 4427 (⅝") or No. 1772 (¾") geared chucks with No. 3 Jacobs taper sockets.
No. 1768—No. 3 Morse taper arbor with ⅝" geared chuck and key.
No. 1769—No. 3 Morse taper arbor with ¾" geared chuck and key.
No. 2341—Drift key for removing No. 2 Morse taper arbor.
No. 3435—Drift key for removing No. 3 Morse taper arbor.

Ⓕ NO. 1770 MORSE TAPER REDUCING SLEEVE

Permits use of drill bits with No. 2 Morse taper shanks in any drill having No. 3 Morse taper socket.

Ⓖ NO. 4438 ARBOR ADAPTER

Fits ¼" or larger capacity drill. Allows use of wire wheels, grinding wheels, buffs and other accessories with ½" arbor holes.

DRILL ACCESSORIES

Ⓐ HOLE SAWS for ¼" and larger drills

High speed steel cutting edge gives fast cutting of wood, metal, plastics, composition and other materials. Hole saws up to 1½" dia. may be used with No. 20842 Mandrel in ¼" or larger drills; other sizes of hole saws and mandrels require ½" or larger drill. All are of follow-thru design, which permits virtually unlimited depth of cut. Cup and saw are one piece construction. High speed steel cutting edge gives maximum cutting capacity and long life. Tough steel backing absorbs shock and prevents breakage. *Mandrels and pilot drills not included. Order separately.*

Part No.	Diam. of Saw, Inches	For Pipe Tap Size	For Pipe Entrance Size	Saw Arbor Size	Use Mandrel
20818	⅝			½x20	20842 or 20843
20819	¾		⅜	½x20	20842 or 20843
20820	⅞	¾	½	½x20	20842 or 20843
20821	1			½x20	20842 or 20843
20822	1⅛	1	¾	½x20	20842 or 20843
20823	1¼			½x20	20842 or 20843
21559	1¼			⅝x18	20844 or 20845
20824	1⅜		1	½x20	20842 or 20843
21560	1⅜			⅝x18	20844 or 20845
20825	1½	1¼		½x20	20842 or 20843
21561	1½	1¼		⅝x18	20844 or 20845
20826	1⅝			⅝x18	20844 or 20845
20827	1¾	1½	1¼	⅝x18	20844 or 20845
20828	1⅞			⅝x18	20844 or 20845
20829	2		1½	⅝x18	20844 or 20845
20830	2⅛			⅝x18	20844 or 20845
20831	2¼	2		⅝x18	20844 or 20845
20832	2⅜			⅝x18	20844 or 20845
20833	2½		2	⅝x18	20844 or 20845
20834	2⅝			⅝x18	20844 or 20845
20835	2¾	2½		⅝x18	20844 or 20845
20836	2⅞			⅝x18	20844 or 20845
20837	3		2½	⅝x18	20844 or 20845
20838	3⅛			⅝x18	20844 or 20845
20839	3¼	3		⅝x18	20844 or 20845
20840	3⅜			⅝x18	20844 or 20845
20841	3½			⅝x18	20844 or 20845

Ⓑ MANDRELS ONLY

No. 20842—Permits saws with ½" x 20 thread arbor to be used with ¼" drills.
No. 20843—Permits saws with ½" x 20 thread arbor to be used with ½" or larger drills.
No. 20844—Permits saws with ⅝" x 18 thread arbor to be used with ½" or larger drills.
No. 20845—Permits saws with ⅝" x 18 thread arbor to be used with ½" or larger drills for extra heavy duty cutting.

Ⓒ PILOT DRILLS ONLY

No. 20874—For No. 20842 mandrel. ¼" drill bit is carbon steel.
No. 20847—For Nos. 20843, 20844 and 20845 mandrels. ¼" drill bit is high speed steel.

Ⓓ CARBIDE BITS—For Masonry Drilling

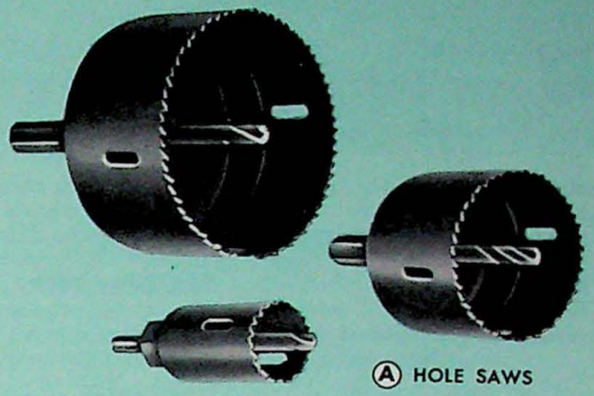
Part No.	Point Dia.	Shank Dia.	Overall Length
22128	¼"	¼"	6"
22129	5/16"	¼"	6"
22130	⅜"	¼"	6"
22131	7/16"	⅜"	6"
22132	½"	⅜"	6"

Ⓔ PERMA-GRIT* RODS AND RASPS

Super-tough tungsten carbide abrasive rods and rasps for doing contouring, grinding and finishing work on plastics, rubber, compositions, etc. See Page 64 for complete information.

No. 21345 ADAPTER—Required for using Perma-Grit* Rods and Rasps with any ¼" or larger drill. Shank locks directly in chuck.

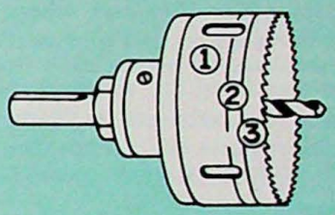
*Perma-Grit is a trademark of SKIL Corporation. Tungsten Carbide Abrasives Pat. No. 2,906,612.



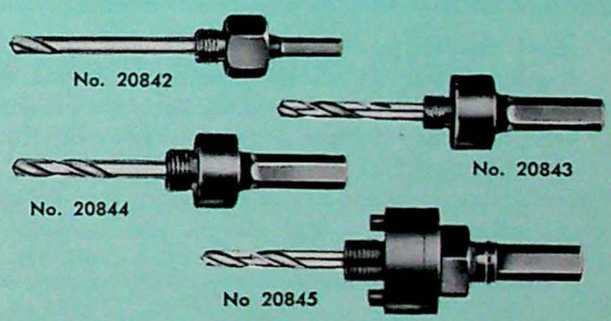
Ⓐ HOLE SAWS

ONE PIECE CONSTRUCTION

3 types of steel are forge-welded . . . then rolled to gauge . . . will not edge-strip or shatter.



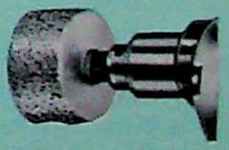
1. Tough Resilient Formed Steel Body
2. Chrome-Vanadium Steel "Buffer Strip"
3. High Speed Steel Edge—Wear-Resistant, Fast Cutting.



Ⓑ MANDRELS

Ⓒ PILOT DRILLS

Ⓓ CARBIDE BITS



Ⓔ PERMA-GRIT* RODS AND RASPS

SCREWDRIVERS
For Screwdriving – For Nut Running

POWERFUL POSITIVE CLUTCH MODELS – FOR CONTINUOUS, HEAVY DUTY USE WHERE TORQUE REQUIREMENTS VARY

POSITIVE CLUTCH

MODEL 139 — MODEL 140, reversing

capacities: no. 10 wood and self-tapping screws; no. 12 machine screws, nuts

The lowest cost true drivers you can buy! **Built for light to heavy duty production work; occasional or regular assembly jobs.**

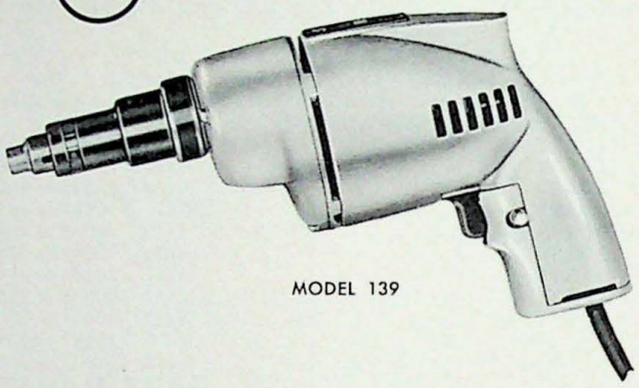
Particularly effective in operations where a positive clutch is preferred such as assembly of wood and other materials which have non-uniform densities and where the use of different screw sizes demands varied torque requirements.

Excellent for cabinet and furniture shops, metal and wood working manufacturers and installers, builders, contractors, electricians, boat builders, auto body shops, heating and air conditioning work . . . anywhere that power fastening can speed up work, cut costs.

Built to give you the accuracy, speed and cost saving advantages of power fastening at the lowest possible investment costs! Yet they have traditional SKIL quality construction throughout!

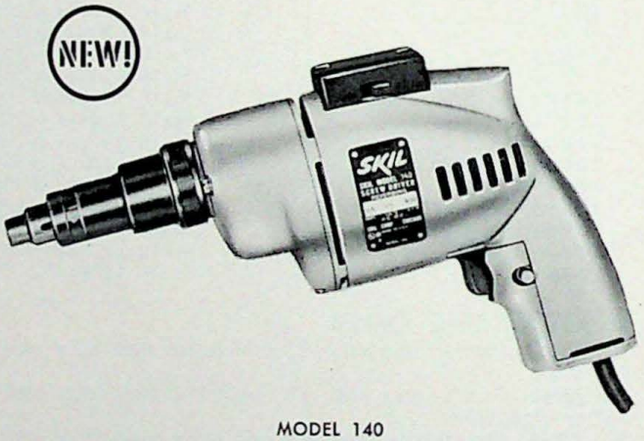
Both models have trigger switch, pin for locking in "on" position, rugged die cast aluminum housing, quick change finder, ball thrust and sleeve bearings. Lightweight, balanced design cuts fatigue, speeds up work. Rugged, quality construction cuts maintenance costs. Model 140 also has reversing switch mounted on top for fast disassembly work. *Specify voltage.*

NEW!



MODEL 139

NEW!



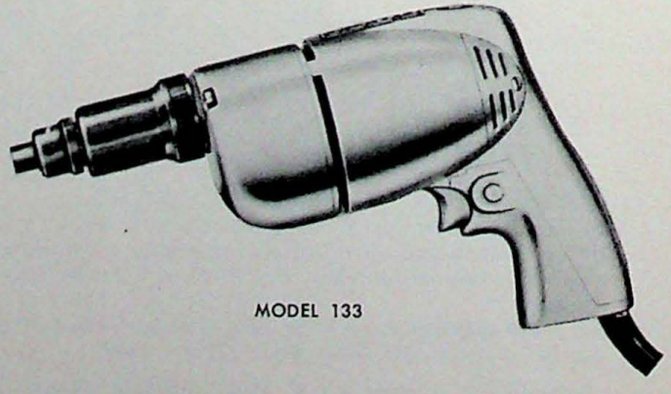
MODEL 140
(REVERSING)

POSITIVE CLUTCH

MODEL 133 — MODEL 173, reversing

capacities: No. 12 wood and self-tapping screws; ¼" diameter machines screws, nuts.

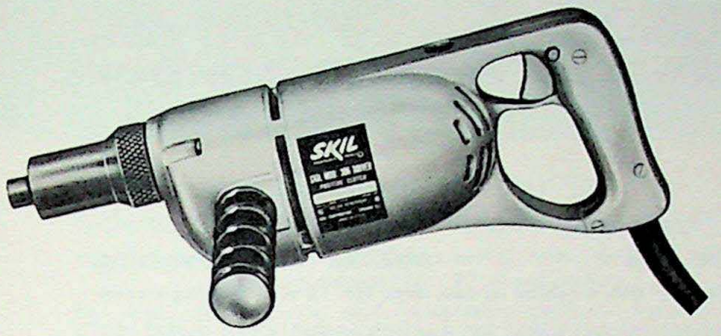
Rugged performers built for continuous, heavy duty driving and production assembly. Excellent for driving in wood or other materials which have a non-uniform density or for operations where screw sizes vary thus demanding varied torque requirements. Lightweight and compact. Heavy duty motor is extremely powerful. Ball and needle bearing construction; trigger switch and pin for locking in "on" position. Model 173 identical to model 133 except has toggle reversing switch under handle near cord. *Specify voltage.*



MODEL 133

SCREWDRIVERS

For Screwdriving – For Nut Running



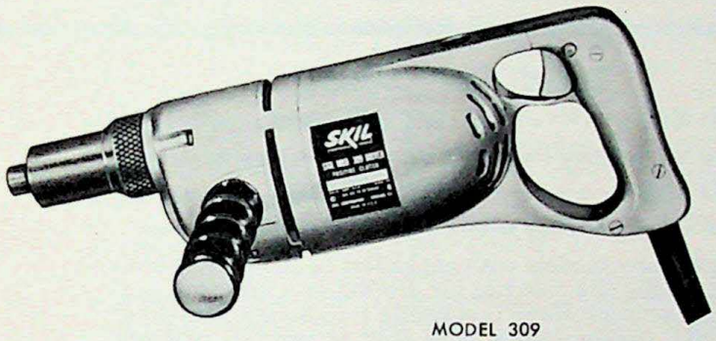
MODEL 306

POSITIVE CLUTCH

MODEL 306 — MODEL 336, reversing

capacities: No. 16 wood screws, ⅜" diameter machine screws, nuts; 5/16" self-tapping screws.

Recommended for jobs similar to those indicated for Models 133 and 173 except for larger capacity work and wherever the additional convenience and control of a side handle is desired. "In-line" rear handle; trigger switch; pin for locking in "on" position; all ball and needle bearing construction. Side handle is removable. Model 336 is identical to Model 306 except has toggle reversing switch conveniently located at rear of motor housing. *Specify voltage.*



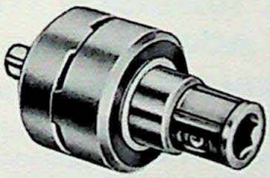
MODEL 309

POSITIVE CLUTCH

MODEL 309 — MODEL 339, reversing

capacity: No. 20 wood screws; ½" diameter machine screws, nuts; ⅜" self-tapping screws.

Combine lightweight, compactness, balanced handling ease with big ½" capacity. Have removable side handle for easy control. Excellent for heaviest duty driving in materials requiring varied torque application. Have trigger switch with locking pin. All ball and needle bearing construction. Model 339 is identical to Model 309 except has toggle reversing switch conveniently located at rear of motor housing. *Specify voltage.*



RUGGED POSITIVE CLUTCH DELIVERS CONTINUOUS TORQUE

Two carefully machined, angle ground clutch jaws engage when driver is applied to screw or nut and torque is maintained as long as pressure is applied by operator. The amount of tightening torque delivered is entirely dependent on the operator. This makes this type clutch excellent on jobs where torque requirements vary, such as when fastening wood or other materials with varying densities and when driving different size screws. When screw or nut is tight a slight impact is felt by operator. Jaws disengage immediately when pressure is released and do not re-engage until operator again applies pressure.

SPECIFICATIONS

equipment: Models 139 and 140 include No. 6764 bit; No. 21277 quick change finder. Models 133 and 173 include No. 6764 bit; No. 6754 finder. Models 306, 336, 309, 339 include No. 6995 bit and finder, left side handle. All models have 3 wire cord and plug.

motor: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.

bearings: Models 139 and 140 ball and sleeve bearings. All other models have sealed, permanently lubricated ball and needle bearings.

switches: Models 139, 140 have enclosed single pole, momentary contact trigger switches. All other models have enclosed double pole momentary contact trigger switches. Models 140, 173, 336, 339 also have toggle-type reversing switches.

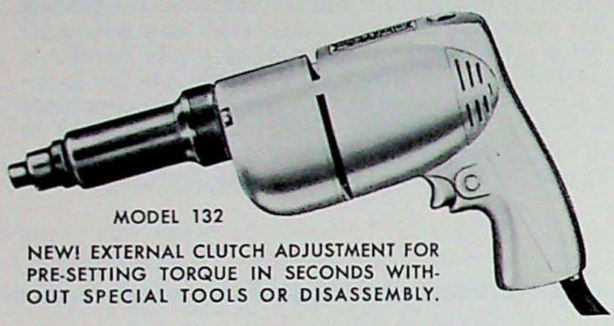
model no.	reversing model no.	type clutch	drive	capacities: machine screws and nuts	capacities: wood screws and self-tapping screws	std. speed, no load, r.p.m.	*optional speeds, r.p.m.	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
139	140	positive	¼" hex.	No. 12	No. 10	900	—	2.5	10 5/16	3½	5
133	173	positive	¼" hex.	¼"	No. 12	750	500, 1000, 1500	3	10¼	3¾	6
306	336	positive	7/16" hex.	⅜"	No. 16—5/16"	500	750, 1000, 1600	4	15	8½	11
309	339	positive	7/16" hex.	½"	No. 20—⅜"	500	750, 1000, 1600	5	15	9	11½

*Optional speeds no extra cost in Models 133, 173; extra cost in Models 306, 336, 309, 339.

SKIL SCREWDRIVERS

For Screwdriving – For Nut Running

POWERFUL, HEAVY-DUTY ADJUSTABLE CLUTCH MODELS – FOR UNIFORM FASTENING TO PRE-SET TORQUE



MODEL 132

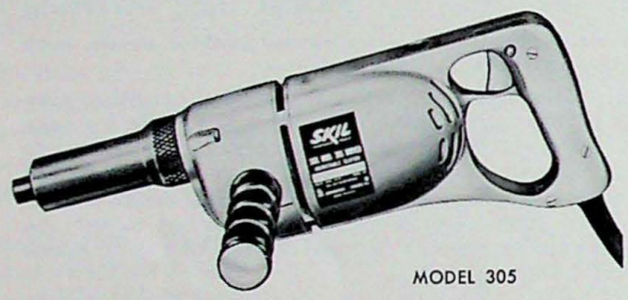
NEW! EXTERNAL CLUTCH ADJUSTMENT FOR PRE-SETTING TORQUE IN SECONDS WITHOUT SPECIAL TOOLS OR DISASSEMBLY.

ADJUSTABLE CLUTCH

MODEL 132 **MODEL 172, reversing**

capacities: ¼" dia. machine screws, nuts; No. 12 self-tapping screws

For economical, precision production assembly in metal and other materials of uniform density. Double-slip clutch quickly adjusts externally to a uniform, pre-determined tension. Compact, lightweight pistol grip design for easy one hand operation. Trigger switch, locking pin, all ball and needle bearing construction. *Specify voltage.*



MODEL 305

ADJUSTABLE CLUTCH

MODEL 305 **MODEL 335, reversing**

capacities: ⅜" dia. machine screws, nuts; 5/16" self-tapping screws

MODEL 308 **MODEL 338, reversing**

capacities: ½" dia. machine screws, nuts; ⅜" self-tapping screws

Four heavy duty models with capacities as indicated above and with double slip clutches for driving to a uniform, predetermined tension. Have removable side handle, "in-line" rear handle, trigger switch with locking pin, all ball and needle bearings. *Specify voltage.*

MODEL 316

ADJUSTABLE CLUTCH, SUSPENSION TYPE

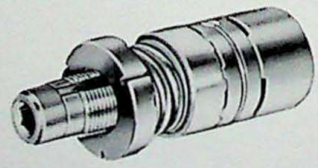
MODEL 316 **MODEL 346, reversing**

capacities: ¼" dia. machine screws, nuts; No. 12 self-tapping screws

For overhead suspension use in the assembly of small, mass-produced metal products; electrical appliances, etc. Paddle switch is conveniently located for frequent, momentary operation. See Balance Reel, page 46. *Specify voltage.*

ADJUSTABLE CLUTCH PROVIDES AUTOMATIC TORQUE CONTROL

Provides uniform assembly without guesswork! Has manually engaged clutch which drives an easily adjustable slip-type clutch that automatically begins slipping (ratcheting) as soon as the pre-set torque is reached. Speeds up assembly; cuts rejects due to faulty assembly, stripped threads, etc.



SPECIFICATIONS

equipment: Models 132, 172, 316, 346 include No. 6764 bit; No. 6754 finder; light and extra light clutch tension springs in addition to standard; 3-wire cord and connector. Models 305, 335, 308, 338 include No. 6995 bit and finder; left side handle; 3-wire cord and connector.

motors: Universal D.C. or A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.
bearings: All sealed, permanently lubricated ball and needle bearings.
switches: Enclosed double pole momentary contact trigger switches. Models 172, 346, 335, 338 also have toggle reversing switch.

model no.	reversing model no.	type clutch	drive	capacities: machine screws and nuts	capacities: wood screws and self-tapping screws	std. speed, no-load r.p.m.	*optional speeds, r.p.m.	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
132	172	double	¼" hex.	¼"	No. 12	750	500, 1000, 1500	3	11⅛	3¾	6
305	335	slip	7/16" hex.	⅜"	5/16"	500	750, 1000, 1600	4	15⅞	8½	11
308	338	adjustable	7/16" hex.	½"	⅜"	500	750, 1000, 1600	5	16⅛	9	11½
316	346		¼" hex.	¼"	No. 12	750	500, 1000, 1250	1.9	15⅞	4½	6

SCREWDRIVERS
For Screwdriving – For Nut Running

NEW ANTI-RATCHETING CLUTCH MODELS – THE ULTIMATE IN QUIET, FAST, ABSOLUTELY UNIFORM PRODUCTION ASSEMBLY!

ANTI-RATCHETING CLUTCH
MODEL 235 MODEL 272* (reversing)

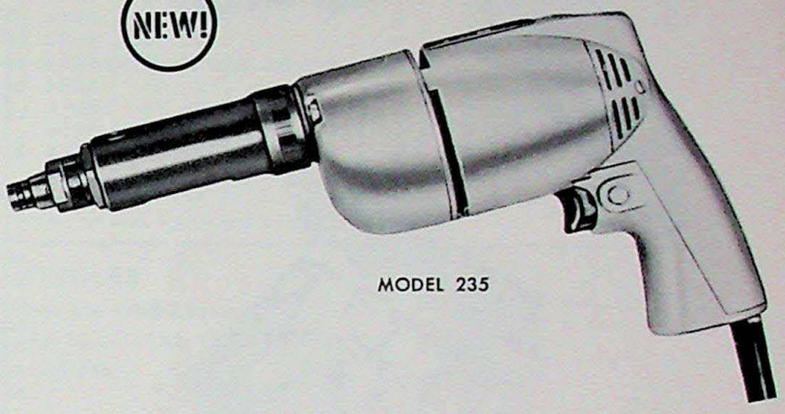
capacities: ¼" dia. machine screws, nuts; No. 12 self-tapping screws; No. 12 wood screws.

For fast, far quieter and absolutely uniform assembly even when work is done by the most inexperienced operators. Has 0 to 100 inch lbs. torque range obtainable through single clutch adjusting spring!

Feature an anti-ratcheting clutch that is easily pre-set *externally* to required torque, then automatically disengages *completely* when that torque is reached. Audible "click" tells operator when pre-set torque is reached. Since torque control is not dependent on the operator, this means assembly work can be done fast and uniformly even by inexperienced operators *with perfect results everytime.* Pay for themselves by eliminating rejects due to faulty assembly, by cutting assembly time, by improving product quality standards and by greatly reducing product service problems. Excellent also for precise assembly of delicate parts — completely eliminate stripped threads.

Both models have trigger switch, pin for locking in "on" position, permanently lubricated ball and needle roller bearings, rugged die cast aluminum housing, quick-change finder, and cord protector. Model 272 also has reversing switch under handle for use where disassembly is frequently required. Has exclusive extra torque in reverse to speed up removal of fasteners. *Specify voltage.*

NEW!



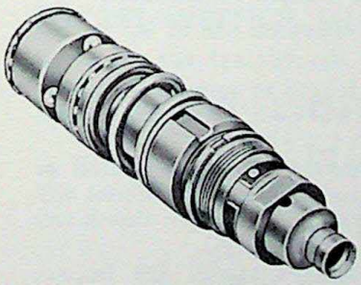
MODEL 235

NEW!

MODEL 272
(REVERSING)

*PATENT APPLIED FOR

ANTI-RATCHETING CLUTCH ELIMINATES HUMAN ERROR



With SKIL'S Anti-Ratcheting Clutch Drivers you simply pre-set *externally* the exact torque desired for your assembly requirements anywhere from 0 to 100 inch lbs. Then the driver takes over—driving the screw or nut quickly and smoothly. Clutch locks open immediately when pre-set torque is reached. There's no slipping, ratcheting or chatter *and no possibility of any additional tightening regardless of operator pressure.* Move to the next screw or nut and the clutch immediately engages as soon as it's applied to the work. It's positive, accurate, fast and quiet!

SPECIFICATIONS

equipment: No. 6764 bit; 21277 finder; 3-wire cord and plug.

general specifications:

motors: Universal, D.C. or A.C. up to 60 cycles.

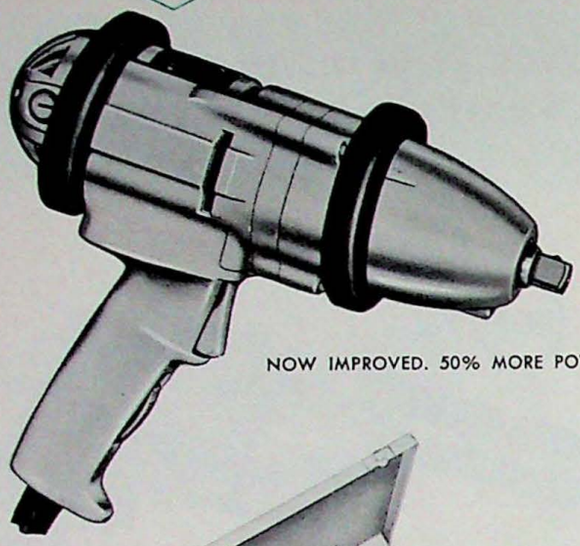
voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost.

bearings: All sealed, permanently lubricated ball and needle roller bearings.

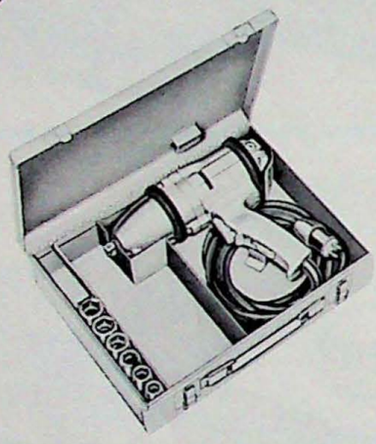
switches: Enclosed double pole, momentary contact trigger switches. Model 272 also has reversing switch mounted under handle.

model no.	reversing model no.	type clutch	drive	capacity: machine screws and nuts	capacity: wood screws and self-tapping screws	std. speed, no load r.p.m.	optional speeds r.p.m.	amp. rating at 115V	length overall inches	net weight lbs.	shpg. weight lbs.
235	272	anti-ratcheting	¼" hex.	¼"	No. 12	750	500 1000 1500	3	12 1/16	4½	6

IMPACT WRENCH



NOW IMPROVED. 50% MORE POWER!



MODEL 823 IMPACT WRENCH

½" square drive

Saves time and boosts profits in service stations and automotive shops on engine repair, tire changes, muffler removal, shock absorber replacement and general mechanical work. Excellent also for industrial assembly and general maintenance use.

Has large capacity for running and removing nuts from ⅜" up to 1 1/16". Can be used with sockets, chucks and attachments (see below and page 45) to do many other jobs including drilling, tapping, driving and removing screws, hole sawing, wire brushing, and polishing. Lightweight and perfectly balanced for easy handling. Rubber bumper rings protect tool. Conveniently located "positive-lock" reversing switch eliminates possible damage due to accidental change in direction . . . location of reversing switch in handle prevents damage during rough handling. *Specify voltage.*

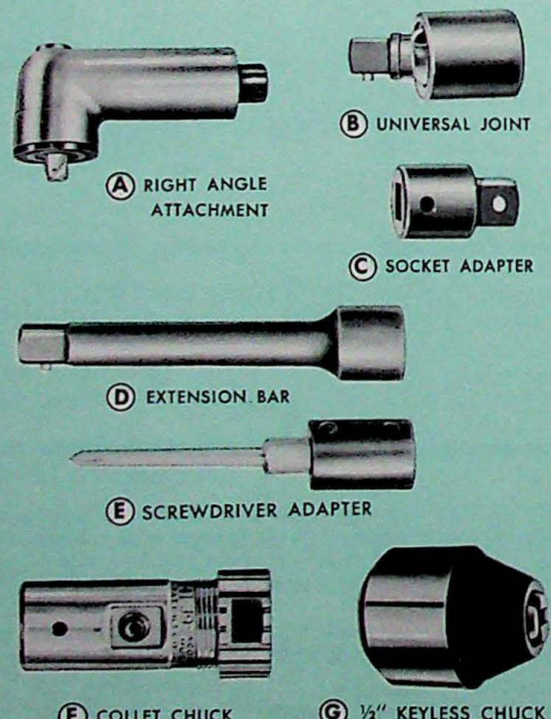
SPECIFICATIONS

equipment: double-pole, momentary contact trigger switch, reversing switch, 3-wire cord and plug.
motor: Universal D.C. and A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages.
driving spindle: ½".
impacts per minute: 2000.
amp. rating at 115V: 4 amps.
length overall: 10¼".
net weight: 7 lbs.
shipping weight: 9 lbs.

MODEL 824 IMPACT WRENCH KIT

Includes Models 823 and the most popular impact wrench sockets packed in sturdy steel case. Contains: 1-Model 823 Impact Wrench; 6-Hexagon Sockets, ½" to 13/16" in 16ths; 1-No. 21706 Steel Case. Net weight: 15½ lbs. Shipping weight: 18 lbs.

IMPACT WRENCH ACCESSORIES



For information on ½" Square Drive Sockets (standard hexagon, bolt clearance and double square types), see Page 45.

Ⓐ **No. 19600 RIGHT ANGLE ATTACHMENT**—Makes it possible to remove and replace hard-to-reach nuts, studs and bolts by changing spindle direction 90°.

Ⓑ **No. 19310 UNIVERSAL JOINT** Used for driving sockets at odd angles. Permits clearance around obstructions.

Ⓒ **No. 19313 SOCKET ADAPTER**—Permits use of ⅝" socket accessories with Model 823.

Ⓓ **EXTENSION BARS**—Add extra length to spindle for hard-to-reach nuts and bolts. **No. 19311**—5" Extension Bar; **No. 19312**—10" Extension Bar.

Ⓔ **No. 19314 SCREWDRIVER ADAPTER** Permits slotted or Phillips-head screws and bolts to be driven with Model 823. Any SKIL bits and accessories with 7/16" hexagon shank can be used in the adapter (see Pages 45 and 46).

Ⓕ **No. 19315 COLLET CHUCK** Allows Model 823 Impact Wrench to be used for drilling and tapping. Drilling capacity, 3/16" to ⅜"; tapping capacity, #10 to ½". Includes wrench.

No. 19316 Collet Interchangeable with collet in No. 19315 chuck for larger capacity ¼" to ½" drill, 5/16" to ⅝" tap capacity.

No. 16208 Wrench Same as furnished with No. 19315 Collet Chuck.

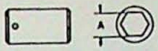
Ⓖ **No. 24090 ½" KEYLESS CHUCK** For use with Model 823 and other ½" sq. drive impact wrenches. Use with any ⅛" to ½" shank drill accessories to do many extremely tough drilling jobs. Impacting action provides tremendous torque with minimum effort on part of operator.

No. 21706 Steel Carrying Case Same as furnished with Model 824 Kit. Accommodates Model 823 Impact Wrench and selection of sockets and other accessories.

No. 21235 Rubber Bumper Rings (pair), same as furnished with Model 823.

SCREWDRIVER AND IMPACT WRENCH ACCESSORIES

HEXAGON SOCKETS

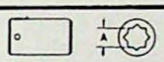


for Impact Wrench, select only ½" Square Drive Sockets. For Drivers, selection of proper size square drive is dependent on driver model and size Socket Wrench Shank used (see below).

part no.	A* (inches)	part no.	A* (inches)	part no.	A* (inches)
¼" Square Drive Standard Type		½" Square Drive Standard Type		½" Square Drive Bolt Clearance Type	
6681	¼	19317	⅜	19320	⅜
6682	9/32	19318	7/16	19321	7/16
6683	5/16	6521	½	19322	½
6684	11/32	6522	9/16	19323	9/16
6685	⅜	6523	19/32	19324	⅝
6686	7/16	6524	⅝	19325	11/16
		6525	11/16	19326	¾
⅜" Square Drive Standard Type		6526	¾	19327	13/16
		6527	25/32	19328	⅞
6503	⅜	6528	13/16	19329	15/16
6504	7/16	6529	⅞	19330	1
6505	½	6530	15/16		
6506	9/16	6531	1		
6508	⅝	19319	1 1/16		

*Measured across flat of bolt head.

DOUBLE SQUARE SOCKETS



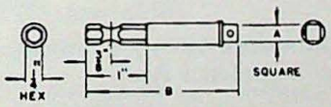
for Impact Wrench, select only ½" Square Drive Sockets. For Drivers, selection of proper size square drive is dependent on driver model and size Socket Wrench Shank used (see below).

part no.	A* (inches)	part no.	A* (inches)
⅜" Square Drive Standard Type		½" Square Drive Standard Type	
6511	5/16	19332	⅜
6512	⅜	19333	7/16
6513	7/16	6541	½
6514	½	6542	9/16
		6543	⅝
		6544	11/16
		6545	¾
		6546	13/16
		6547	⅞
		6549	1

*Measured across flat of bolt head.

SOCKET WRENCH SHANKS

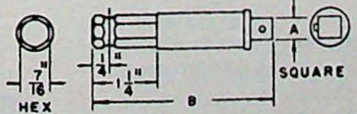
for models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346



¼" hexagon shank

part no.	A (inches)	B (inches)
6791	¼	2
6792	¼	6
6793	⅜	3
6794	⅜	6

for screwdriver models 305, 306, 308, 309, 335, 336, 338 and 339 and model 823 Impact Wrench when equipped with No. 19314 Screwdriver Adapter.

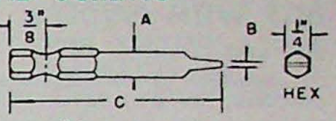


7/16 hexagon shank

part no.	A (inches)	B (inches)
6661	⅜	2¾
6662	⅜	5
6663	½	2¾
6664	½	5

BITS FOR SLOTTED HEAD SCREWS

(Use with proper Finder below)
¼" hexagon shank for models 132, 133, 139, 140, 172, 173, 235, 272, 316, 346

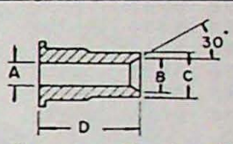


part no.	bit size	wood screws flat	wood screws round	machine screws flat*	machine screws round	A (in.)	B (in.)	C (in.)
6761	4F- 5R	4	5	4	5	.187	.034	1 15/16
6762	5F- 6R	5	6	5	6	.250	.036	1 15/16
6763	6F- 8R	6	8	6	8	.250	.038	1 15/16
6764	8F-10R	8	10	8	10	.275	.042	1 15/16
6765	10F-12R	10	12	10	12	.312	.046	1 15/16
6766	12F-14R	12	14	12	¼	.360	.050	1 15/16
6534	4F- 5R	4	5	4	5	.187	.034	3½
6535	5F- 6R	5	6	5	6	.250	.036	3½
6536	6F- 8R	6	8	6	8	.250	.038	3½
6537	8F-10R	8	10	8	10	.275	.042	3½
6538	10F-12R	10	12	10	12	.312	.046	3½
6539	12F-14R	12	14	12	¼	.360	.050	3½

*Also for oval, fillister and binding head screws.

FINDERS

(For Use With Above Bits)
For Models 132, 133, 172, 173, 316, and 346

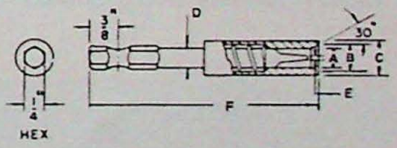


part no.*	bit size	A for min. scrhd. dia. (Inches)	B for max. scrhd. dia. (Inches)	C nose dia. (Inches)	D overall length (Inches)
6751	4F- 5R	.196	.250	5/16	1 1/16
6752	5F- 6R	.260	.312	⅜	1 1/16
6753	6F- 8R	.260	.375	7/16	1 1/16
6754	8F-10R	.290	.437	½	1 1/16
6755	10F-12R	.323	.468	17/32	1 1/16
6756	12F-14R	.375	.515	9/16	1 1/16
6194	4F- 5R	.196	.250	5/16	2⅜
6195	5F- 6R	.260	.312	⅜	2⅜
6196	6F- 8R	.260	.375	7/16	2⅜
6197	8F-10R	.290	.437	½	2⅜
6198	10F-12R	.323	.468	17/32	2⅜
6199	12F-14R	.375	.515	9/16	2⅜
For Models 139, 140, 235 and 272					
21274	4F- 5R	.196	.250	5/16	1 11/32
21275	5F- 6R	.260	.312	⅜	1 11/32
21276	6F- 8R	.260	.375	7/16	1 11/32
21277	8F-10R	.290	.437	½	1 11/32
21278	10F-12R	.323	.468	17/32	1 11/32
21279	12F-14R	.375	.515	9/16	1 11/32

*NOTE: To select proper part no., measure dia. of screw head. This dia. should be somewhere between min. and max. diameters ("A" and "B") of part no. selected.

EXTENSION BITS WITH FINDERS

¼" hexagon shank for models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346



part no.*	bit size	A for min. scrhd. dia. (in.)	B for max. scrhd. dia. (in.)	C nose dia. (in.)	D bit body dia. (in.)	E blade thickness (in.)	F over-all lgth. (in.)
6771	5F- 6R	.203	.296	⅜	.193	.036	3¾
6772	6F- 8R	.250	.390	7/16	.241	.040	3¾
6773	8F-10R	.297	.437	½	.290	.042	3¾
6774	10F-12R	.359	.500	9/16	.350	.046	3¾
6775	5F- 6R	.203	.296	⅜	.193	.036	6¾
6776	6F- 8R	.250	.390	7/16	.241	.040	6¾
6777	8F-10R	.297	.437	½	.290	.042	6¾
6778	10F-12R	.359	.500	9/16	.350	.046	6¾

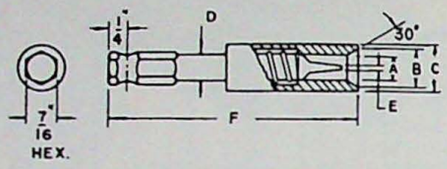
*NOTE: To select proper part no., measure dia. of screw head. This dia. should be somewhere between min. and max. diameters ("A" and "B") of part no. selected.

(See price list for Quantity Discount information.)

SCREWDRIVER AND IMPACT WRENCH ACCESSORIES

BITS WITH FINDERS, REPLACEMENT BITS

7/16" hexagon shank for screwdriver models 305, 306, 308, 309, 335, 336, 338, 339 and model 823 Impact Wrench when equipped with No. 19314 Screwdriver Adapter.

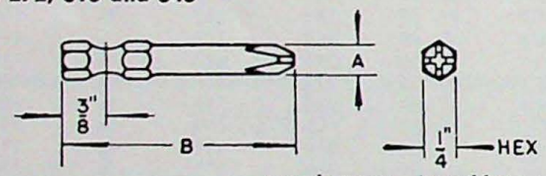


part no. bit and finder*	part no. bit only	bit size	A for min. scrhd. dia. (in.)	B for max. scrhd. dia. (in.)	C nose dia. (in.)	D bit body dia. (in.)	E blade thickness (in.)	F over-all lgth. (in.)
6991	6551	6F- 8R	.250	.390	7/16	.241	.040	3 3/4
6992	6552	8F-10R	.297	.437	1/2	.290	.042	3 3/4
6993	6553	10F-12R	.359	.500	9/16	.350	.046	3 7/8
6994	6554	12F-14R	.406	.546	5/8	.395	.050	3 7/8
6995	6555	14F-16R	.472	.609	11/16	.457	.055	4 1/8
6996	6556	16F-20R	.516	.656	3/4	.503	.060	4 1/8
6998	6557	20F-22R	.563	.703	13/16	.545	.062	4 1/8
6135	6558	24F-24R	.609	.857	15/16	.595	.065	4 1/8

*NOTE: To select proper bit and finder, measure dia. of screwhead. This dia. should be somewhere between min. and max. diameters ("A" and "B") of Bit and Finder selected.

PHILLIPS BITS (no finders required)

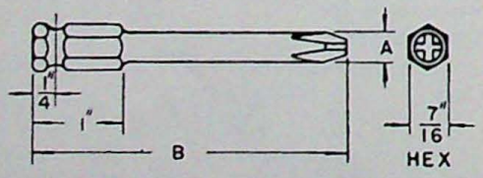
1/4" hexagon shank for models 132, 133, 139, 140, 172, 173, 235, 272, 316 and 346



part no.	point size	A	B	wood screws: flat and oval	wood screws: round	machine screws: flat, oval and binding	machine screws: round and fillister
				Nos.	Nos.	Nos.	Nos.
6781	1	.187	1 15/16	4 and	4 and	4 and	4 and
6782	1	.187	3 1/2	smaller	smaller	smaller	smaller
6783	2	.248	1 15/16	5 to 9	5 to 10	5 to 10	5 to 10
6784	2	.248	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6785	3	.312	1 15/16	10 to 16	12 to 16	12 to 1/4	12 to 5/16
6786	3	.312	3 1/2	10 to 16	12 to 16	12 to 1/4	12 to 5/16

PHILLIPS BITS (no finders required)

7/16" hexagon shank–use with same models as "Bits With Finders" (see top of this column).

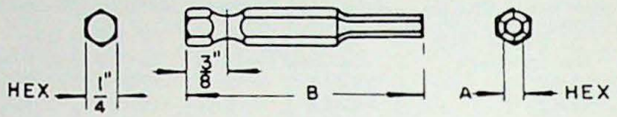


part no.	point size	A	B	wood screws: flat and oval	wood screws: round	machine screws: flat, oval and binding	machine screws: round and fillister
				Nos.	Nos.	Nos.	Nos.
6651	2	.248	3 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6652	2	.248	4 1/2	5 to 9	5 to 10	5 to 10	5 to 10
6653	3	.312	3 1/2	10 to 16	12 to 16	12 to 1/4	12 to 5/16
6654	3	.312	4 1/2	10 to 16	12 to 16	12 to 1/4	12 to 5/16
6655	4	.373	3 1/2	18 to 24	18 to 24	5/16 to 1/2	3/8 to 1/2
6656	4	.373	4 1/2	18 to 24	18 to 24	5/16 to 1/2	3/8 to 1/2

BITS FOR HEX SOCKET SCREWS

(no finders required)

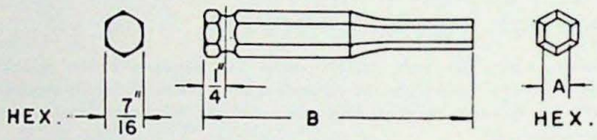
1/4" hexagon shank for models 132, 133, 139, 140, 172, 173, 235, 272, 316, 346



part no.	socket head cap screw	flat head socket cap screw	socket set screw	pipe plug	A (inches)	B (inches)
6893	No. 5-6	No. 8	No. 10-12		3/32	1 15/16
6894	No. 8	No. 10-12	1/4		1/8	1 15/16
6895	No. 10-12	1/4	5/16		5/32	1 15/16
6896	1/4	5/16	3/8		3/16	1 15/16

BITS FOR HEX SOCKET SCREWS

(no finders required) Use with same models as "Bits With Finders" (see top left of this page).



part no.	socket head cap screw	flat head socket cap screw	socket set screw	pipe plug	A (inches)	B (inches)
6671	1/4	5/16	3/8	1/8	3/16	3 1/2
6672	5/16	3/8	7/16	..	7/32	3 1/2
6673	..	7/16	1/2	1/4	1/4	3 1/2
6674	3/8, 7/16	1/2	5/8	3/8	5/16	3 1/2
6675	1/2, 9/16	5/8	3/4	1/2	3/8	3 1/2

No. 6767 BALANCE REEL

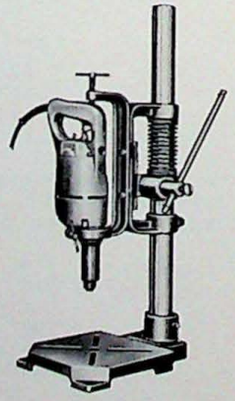
Suspends Screwdriver, other tool above work. Spring action brings tool smoothly into position, returns it quickly overhead. Tension adjusts externally for accurate counter-balancing. Six foot steel cable is nylon sheathed.

Capacity: 0-10 lbs. Net wgt. 6½ lbs.
Ship. wgt. 7½ lbs.

No. 6779 ATTACHMENT CLIP—For attaching tools with a suspension bail to Balance Reel.

SCREWDRIVER STANDS

Most Skil Screwdrivers may also be used with Skil Drill-Screwdriver Stands (see Page 38) to provide precise control in driving screws, running nuts and bolts. Particularly excellent for assembly of small jig-held products.



for screwdriver model	order drill-screwdriver stand no.
235, 272, 139, 140 133, 173, 132, 172	6401
305, 335 306, 336	6403*

*Must be used with No. 6749 Driver Stand Adapter

No. 6749 Screwdriver Stand Adapter — permits use of Models 305, 335, 306, 336 Screwdrivers with No. 6403 Stand.

(See price list for Quantity Discount information.)

SHEARS

16-GAUGE MODEL 17

Excellent for all around use in sheet metal shops . . . industrial production and maintenance. Cuts hot rolled steel up to 16 gauge, other materials in proportion.

Lightweight, compact—cradles right in the hand for easy "one hand" control in any position. Slide switch located on top for easy thumb-reach. Deflector plate minimizes curling of metal. Cutting head permits 1" minimum radius of cut. Extra-strong, forged, two-piece foot for low cost maintenance. Blades are easy to adjust. Slotted armature shaft quickly aligns blade during adjustment. Use with No. 11316 Blade Sharpening Fixture (see accessories) to keep blades sharp for fast cutting at all times. *Specify voltage.*

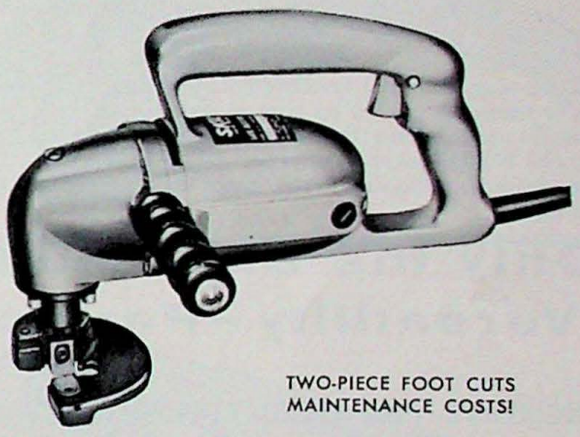
TWO-PIECE FOOT CUTS MAINTENANCE COSTS!

12-GAUGE MODEL 231

More powerful shear for cutting heavier gauge metals in sheet metal shops, auto body shops, truck body plants, building trades, and in general industrial production applications. Cuts a broad range of sheet metals, hot rolled steel up to 12 gauge and other metals (harder and softer) in proportion.

Has side handle and double-grip top handle for easy control even in awkward positions. Trigger switch locks "on" for extra convenience. Has minimum cutting radius of only 1½".

Two piece, forged steel foot cuts maintenance costs. Blades are easy to adjust for varying gauges of material and types of metal. Slot in armature shaft permits easy blade alignment during adjustment. Use No. 11316 Blade Sharpening Fixture (see accessories) with any bench grinder to keep blades sharp for maximum efficiency. *Specify voltage.*



TWO-PIECE FOOT CUTS MAINTENANCE COSTS!

SPECIFICATIONS

equipment: Set of blades; necessary wrenches; removable side handle for right or left-hand use (Model 231 only); 3-wire cord and plug.

general specification:

motors: Universal, D.C. or A.C. up to 60 cycles.

voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.

switches: Enclosed double-pole (momentary contact type with locking pin on Model 231). Double-pole slide switch on Model 17.

bearings: All sealed, permanently lubricated; Model 231 double-row ball bearings on eccentric shaft.

model no.	max. gauge, hot rolled steel	min. cutting radius, in.	no-load speed, strokes per min.	amp. rating at 115V	overall length in.	net weight lbs.	shpg. weight lbs.
17	16	1	2000	2.8	9	5¾	8
231	12	1½	2500	6.5	13	12	16

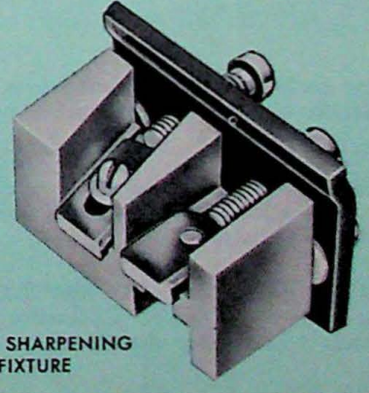
SHEAR ACCESSORIES

REPLACEMENT SHEAR BLADES

type blade	model 17	model 231
Moving	Part No. 4076	Part No. 10711
Stationary	Part No. 4078	Part No. 10710

Ⓐ NO. 11316 BLADE SHARPENING FIXTURE

Sharp blades are necessary for full shear efficiency, easier operation and minimum shear maintenance! This fixture permits anyone to precision-grind both blades of Model 17 or 231 simultaneously on any bench grinder. Illustration shows pair of blades mounted in fixture.



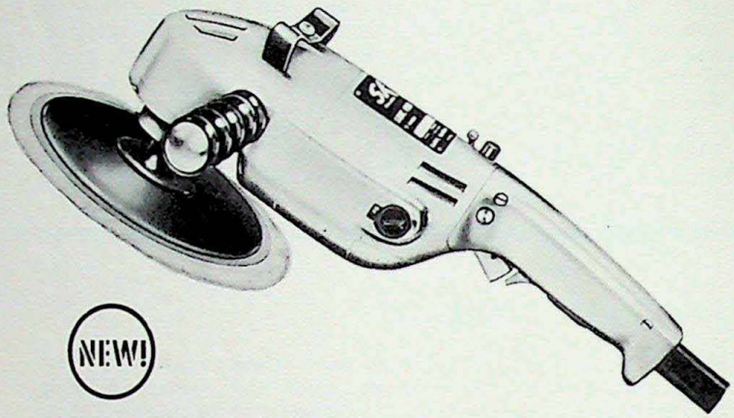
Ⓐ BLADE SHARPENING FIXTURE

POLISHERS

NEW! 2-SPEED REVERSING POLISHER—GREATEST ADVANCE SINCE INVENTION OF ELECTRIC POLISHERS!

7" MODEL 196 (heavy-duty)

Entirely new polishing concept provides exclusive 4-way performance — high or low speed; regular or reverse polishing direction. Does every rubbing, cleaning and polishing job better, easier, faster.



Complete control at your fingertips—protected two speed switch located on top . . . slide button reversing switch under handle . . . trigger on-off switch with pin for locking in "on" position. Reversing switch features safety interlock to prevent reversing motor while in operation. Rear section of handle and tool rests on top are Neoprene covered to prevent scratching car finish. Extra-long cord protector keeps cord out of the way. All ball bearing construction. Powerful motor is cooled by forced ventilation. Side handle mounts on either side or may be replaced by No. 21500 Magic Handle for even faster, more convenient polishing (see page 52). *Specify voltage.*

Only the SKIL Model 196 has this Amazing Versatility—Perfect for every car finish . . .

EXCLUSIVE TWO-SPEED PERFORMANCE

High Speed—perfect for fast finish polishing including jobs using latest type polishes formulated specifically for high speed operation. High speed plus two direction action (see below) is excellent for polishing new acrylic finishes. High speed also excellent for feather edge disc sanding when equipped with sander backing pad.

Low Speed—perfect for rubbing and cleaning jobs, removing orange peel (spray marks), polishing difficult contours and confined areas. On badly oxidized finishes, low speed produces a high gloss without the need of a separate cleaning operation.

EXCLUSIVE REVERSING ACTION

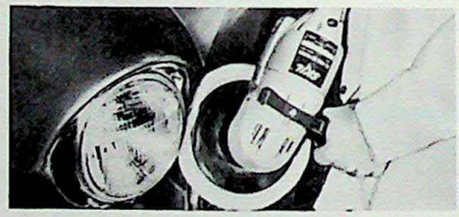
Eliminates polish "swirl" marks always present with single direction polishers. Polish car section with regular direction —flick in reverse for final "once over"—and watch "swirls" disappear!

Keeps pads cleaner because when polisher is reversed, pad nap fluffs up—accumulated dirt and dried polish are thrown off.

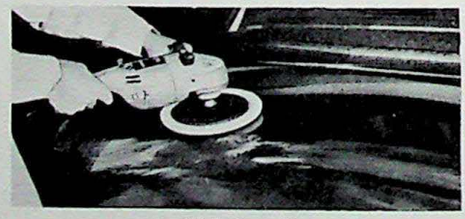
Makes it easier, safer to polish window trim, grilles, difficult contours, which tend to "grab" and "throw" pads of single direction polishers.

Provides perfect blend of new finishes with old when rubbing repainted areas. Exclusive two-way action blends finishes from many directions.

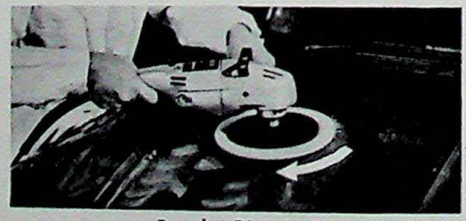
4-WAY ACTION



Low Speed!



High Speed!



Regular Direction!

Reverse Direction!

POLISHERS

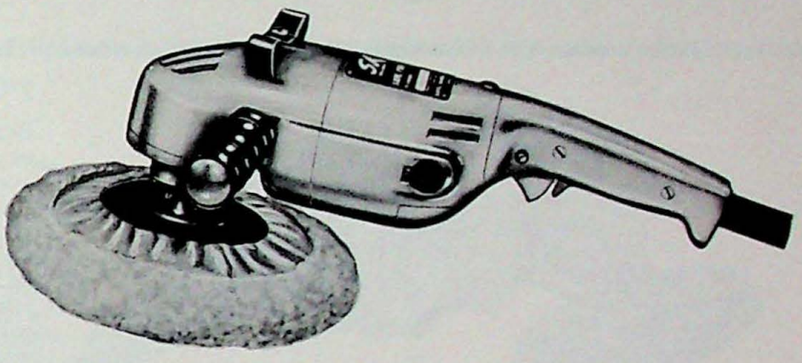
SKIL

7" MODEL 570 (standard-duty)

A full-powered tool of compact design for use in small garages, service stations, dealer service departments, car washes . . . anywhere polishing is done intermittently. Well balanced and easy to handle, either on or off work surface . . . lighter than many less powerful tools. Includes removable side handle which may be replaced with No. 21500 Magic Handle for faster, more convenient polishing (see page 52). *Specify voltage.*

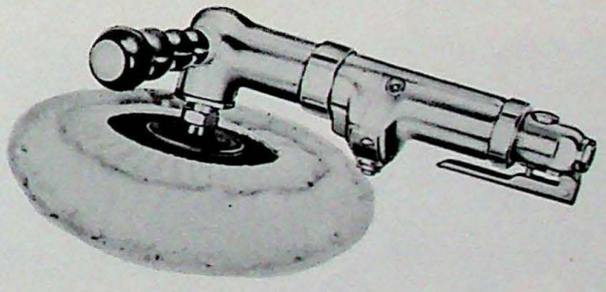
7" MODEL 186 (heavy-duty)

Advanced-design polisher with many outstanding features. Weight of tool is forward for easy control with less pressure. Features powerful motor cooled by forced ventilation, all ball bearing construction, trigger switch with locking pin and extra long cord protector. Side handle mounts on either side or may be replaced with No. 21500 Magic Handle (see page 52) for faster, easier polishing. *Specify voltage.*



7" AIR MODEL 1036 (standard-duty)

Features a new high torque motor that develops twice the power than previously, yet uses less air! This means that speed is maintained even on tough compounding or cleaning jobs. Other features include convenient lever throttle, comfortable hand grip, side handle that may be replaced with No. 21500 Magic Handle. Includes 8′ of air hose and couplings. See pages 52 and 65 for information on accessories.



SPECIFICATIONS

equipment: all models include No. 4679 rubber backing pad, side handle, 3 wire cord and plug. (Model 1036 has 8′ air hose and couplings).

Models 570, 186, 1036 also include No. 4711 bonnet, No. 6496 sponge rubber polishing cushion, No. 4699 long pad nut, No. 2427 short pad nut, No. 2445 wrench.

Model 196 also includes No. 22691 wool polishing pad, No. 22881 lock screw, No. 4036 hex key, No. 22895 pad nut.

motors: Universal D. C. or A. C. up to 60 cycles (except 1036)

voltages: Standard 115 (except 1036), Models 570 and 186 furnished on order for 220 and other voltages at no extra cost. Model 196 available in 115V; furnished on order for 220.

switches: Models 186, 196 enclosed double-pole, momentary contact trigger type with pin for locking in "on" position. Model 196 also has slide button, interlocked reversing switch and enclosed two-speed toggle switch. Model 570 has enclosed double-pole slide type. Model 1036 has lever throttle.

spindle diameter: 5/8"—11 thread.

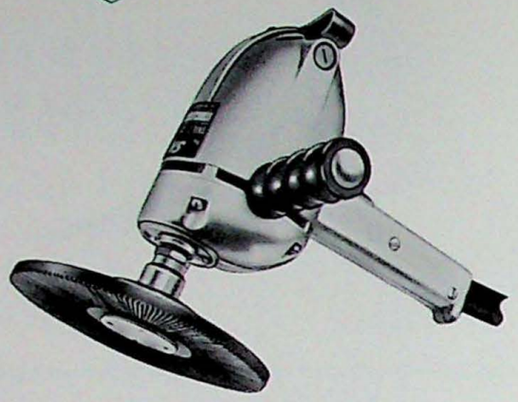
bearings: Model 570 ball and sleeve; Models 186, 196, 1036 all ball bearing.

model no.	duty rating	pad diam.	115V amp. rating	overall length*	net weight, lbs.	shpg. weight, lbs.
570	standard	7"	5.5	9½"	7	13
186	heavy	7"	5.5	15½"	12	15
196	heavy	7"	5.5 (high speed) 4.5 (low speed)	15½"	12	15
1036	standard	7"	—	10¼"	4½	5

*Not including pad.

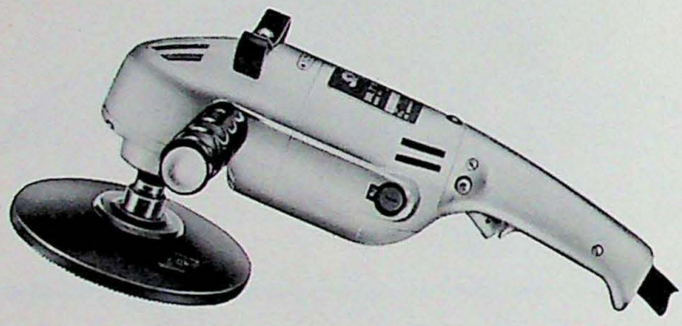
See Page 52 for information on Polisher Accessories.

DISC SANDERS



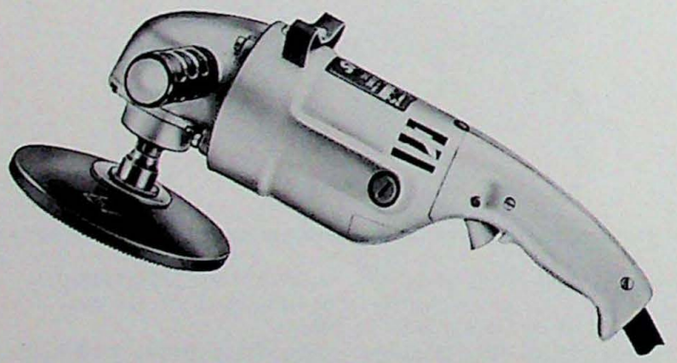
7" MODEL 551 (standard-duty)

A real value among low-priced disc sanders. Has more power than many larger, more expensive makes. Used for touch-up work and intermittent operation in auto body shops, garages and anywhere fast sanding of metal, wood or other materials is required. Features include new exclusive treaded backing pad that prevents disc slippage and quick-change lock nut (see next page). Lightweight design gives positive handling ease and control. Has side handle; tool rest at top. *Specify voltage.*



7" MODEL 851 (heavy-duty)

Because of its powerful motor, precision spiral bevel gearing and forced-air ventilation, Model 851 outperforms many sanders costing 50% more. Features exclusive new treaded backing pad that holds discs in position to prevent slipping; quick-change lock nut and spindle lock for fast disc changes. And because of its lightweight, balanced design, operators can do more jobs, faster and with less fatigue. Has lubricant sealed, ball-bearing construction. Other features include dust-tight trigger switch; side handle that mounts on either side; tool rest at top; large inspection plate for maintenance. *Specify voltage.*



7" MODEL 853 (super-duty—6000 r.p.m.)

A truly outstanding combination of tremendous power; rugged, maintenance-free construction and all-around job performance!

Powerful motor retains high speed under heavy work loads . . . actually develops 2.48 horsepower! Improved motor design plus better-than-ever insulation assure long motor life. Straight-flow ventilation provides efficient cooling and keeps harmful dust from damaging interior parts. Improved spiral bevel gears are mounted on exclusive Neoprene cushion for long gear life. Exclusive treaded backing pad holds discs in place, keeps discs cooler. Exclusive quick-change lock nut and spindle lock make disc changing fast, easy. All double sealed ball bearing construction throughout. Includes side handle that mounts on either side and top tool rest.

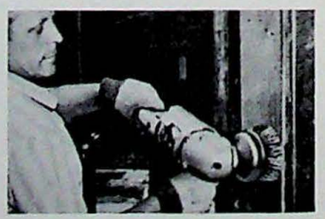
Use with 4" and 5" cup grinding wheels and wire brushes, 7" raised hub disc wheels and 7" sanding discs. *Specify voltage.*

Do all these jobs FAST with SKIL Disc Sanders plus the proper SKIL Accessories

Disc Grinding — use Raised Hub Grinding Wheel with Safety Guard and Adapter Flange.

Cup Grinding—use Revolving or Adjustable Sleeve Guard and Cup Grinding Wheels.

Disc Sanding—use SKIL Backing Pad and "Sta-Flat" Sanding Discs.



Wire Brushing — use Wire Cup Brushes to remove rust, scale, clean castings, etc.

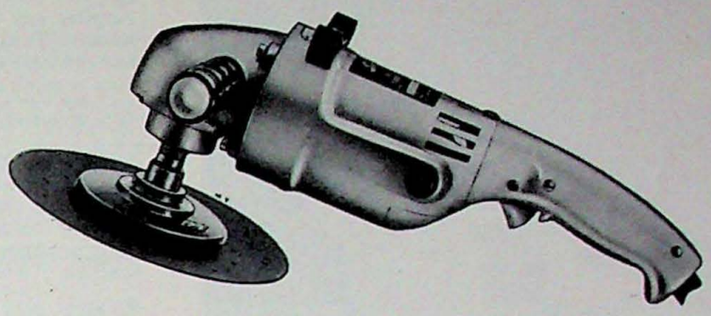
See Pages 52 and 53 for Complete Information on all SKIL Sanding, Grinding and Wire Brushing Accessories.

DISC SANDERS

7" AND 9" MODEL 852 (super-duty—5000 r.p.m.)

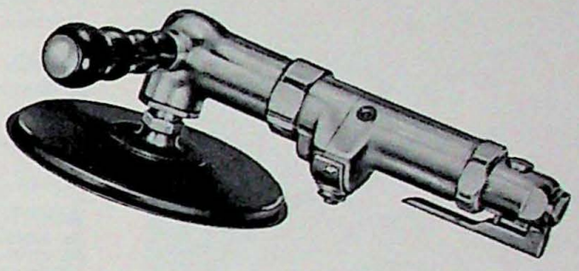
Has all the outstanding advances and features of Model 853 but has 5000 r.p.m. speed for safe use of larger diameter accessories. Provides terrific power for handling heaviest duty jobs, yet is remarkably lightweight and easy to handle. Includes new exclusive treaded backing pad that prevents disc slippage; exclusive quick-change lock nut and spindle lock for fast, easy disc changing.

Use with 4", 5" and 6" cup grinding wheels and wire brushes, 7" and 9" raised hub disc wheels and 7" and 9" sanding discs. *Specify voltage.*



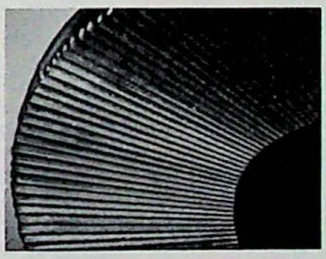
7" AIR MODEL 1037 (standard-duty)

Now has a new, high torque motor that develops approximately 100% more power than before—yet uses less air! Maintains speed under load. Handles all types of rough or fine sanding, grinding and other jobs. Features include easily controlled lever throttle, comfortable hand grip, side handle, new exclusive treaded backing pad and quick-change lock nut. See pages 52-53 for disc sander accessories; page 65 for information on pneumatic connector accessories.

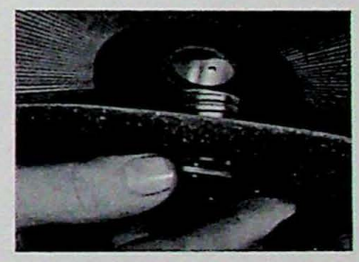


NEW!

ALL 5 SKIL Disc Sanders feature these 2 important new SKIL *exclusives* . . .



TREADED BACKING PAD — Holds sanding discs firmly in place to prevent slipping, buckling, spoilage of discs. Discs stay cooler, won't gouge.



QUICK-CHANGE LOCK NUT — Locks quickly on two steel pins in backing pad for fast, easy disc changing. Eliminates stripped, clogged threads.

SPECIFICATIONS

equipment: Models 551, 851, 853, 852 include treaded rubber backing pad (Model 852 also has No. 21221—9" perforated pad), quick-change lock nut, cup grinding wheel flange (except Model 551), side handle, tool rest, spindle lock (except Model 551), wrench, 3-wire cord and plug.

Model 1037 includes treaded rubber backing pad, quick-change lock nut, three assorted sanding discs, side handle, wrench, 8' of air hose and couplings.

motors: Universal, D.C. or A.C. up to 60 cycles (except 1037).

voltages: Standard 115 (except 1037); furnished on order for 220 and other voltages at no extra cost.

switches: Model 551 has double pole slide switch. Models 851, 853, 852 have enclosed, double pole momentary contact trigger switch with pin to lock switch in "on" position.

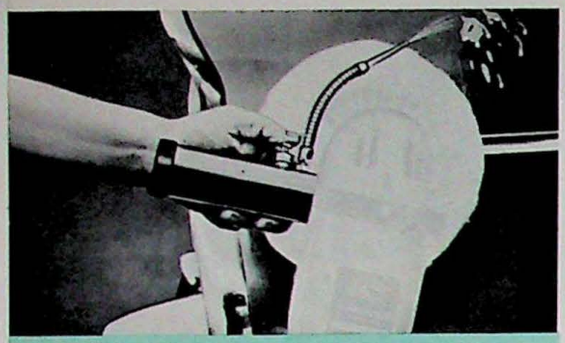
spindle dia.: 5/8"—11 thread.

bearings: All sealed, lubricated-for-life ball bearing construction except Model 551 which has ball and sleeve bearings.

		maximum capacities, inches								
model	duty	sanding disc dia.	wire cup brush dia.	cup grinding wheel dia.	raised-hub disc wheel dia.	speed no-load r.p.m.	amp. rating at 115V	length* overall, inches	net* weight lbs.	shpg. weight lbs.
551	standard	7	4	—	—	4200	5.5	9½	6½	12
851	heavy	7	4	4	7	4500	6.5	15½	10¾	16½
853	super	7	5	5	7	6000	12	17	12¾	18½
852	super	9	6	6	9	5000	12	17	12¾	18½
1037	standard	7	—	—	—	3800	—	10¼	3¼	5½

*length and weight not including pad.

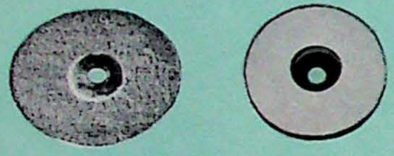
POLISHER AND DISC SANDER ACCESSORIES



Ⓐ "MAGIC HANDLE" POLISH DISPENSER

Ⓑ WOOL POLISHING PAD

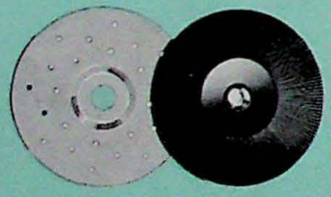
Ⓒ WOOL BONNET



Ⓓ PILE FABRIC PAD

Ⓔ FELT PAD

Ⓕ ¼" CHUCK & KEY



PERFORATED FIBER PAD

TREADED PAD

Ⓖ BACKING PADS

Ⓗ QUICK-CHANGE LOCK NUT

Ⓘ LOCK NUT

Ⓙ LOCK NUT WRENCH

Ⓚ SANDING DISCS

Ⓐ NO. 21500 MAGIC HANDLE POLISHER DISPENSER†*

Applies any liquid polish or cleaner with push button action. Saves time, money. Easily attaches to polisher in place of regular handle. Has flexible, non-scratch spout that applies polish away from bonnet to prevent soaking. Non-scratch end cap quickly removes for filling.

Furnished with 3 adapters to fit SKIL Models 570, 186, 196 and Black & Decker, Remington, Miller Falls, Milwaukee, Sioux, and Thor Models. *Patent Applied For

Ⓑ NO. 22691 WOOL POLISHING PAD†

Same as furnished with Model 196. ⅞" Hole; 7½" diameter. Has deep tufted, lambswool nap firmly attached to strong canvas back. Far outlasts ordinary pads or bonnets. When used with models other than Model 196, remove sponge rubber pad and attach directly to backing pad with No. 22895 pad washer.

Ⓒ NO. 4711 WOOL BONNET†

Same as furnished with Models 570, 186, 1036. Genuine lambswool, deep pile bonnet with hood and draw string. Soft, resilient — use with sponge rubber backing pads.

Ⓓ NO. 6622 PILE FABRIC PAD†

For polishing or rubbing down newly sprayed finishes. Woven wool pile smooths and blends faster, lasts long.

Ⓔ NO. 2462 FELT PAD†

Highest quality, durable, useful for wide variety of rubbing and burnishing operations with special rubbing compounds.

BACKING PADS†

No. 4679—7" Molded Rubber Back Pad, same as furnished for use with all SKIL Polishers.
No. 6496—7" Sponge Rubber Pad, same as furnished with Models 570, 186, 1036.

ADDITIONAL POLISHER PARTS

No. 22895—Disc Pad Nut, same as furnished with Model 196.
No. 22881—Pad Nut Lock Screw, same as furnished with Model 196. Clamps polishing pad and disc pad nut on polisher spindle.
No. 4036—Hex Key for No. 22881 lock screw.
†No. 4699—Long Pad Nut. Clamps sponge rubber and backing pads to spindle on Models 570, 186, 1036.
†No. 2445—Pad Nut Wrench for No. 4699 pad nut.

Ⓕ NO. 18305 ¼" CHUCK & KEY†

Converts Polishers and No. 551 Disc Sander for drilling. Threads directly on spindle. Includes No. 1755 Chuck Key.

Ⓖ BACKING PADS

New Skil *treaded* rubber backing pads hold sanding discs firmly in place to prevent slipping, buckling, spoilage of discs. Discs stay cool, won't gouge work. Backing pads include quick-change lock nuts (see page 51).

description	size	part no.
treaded rubber backing pad (includes No. 23614 nut)	5"	23615
treaded rubber backing pad (includes no. 23614 nut)	7"	23616
perforated fiber pad**	7"	21220
perforated fiber pad**	9"	21221

****NOTE—For proper flexibility when feather edging, etc, always use fiber pad (or pads) larger than backing pad.**

Ⓗ **NO. 23614 QUICK-CHANGE LOCK NUT**—Same as furnished with new treaded backing pads (see Page 51 for details).

Ⓘ **NO. 2427 LOCK NUT**—for use on other type backing pads.

Ⓙ **NO. 2445 LOCK NUT WRENCH**—for use on the No. 23614 or 2427 lock nut.

Ⓚ "STA-FLAT" SANDING DISCS

Extra-hard aluminum oxide grits are phenol-resin bonded to a sturdy fiber backing; for re-use dip in gasoline and scrub. *Use close coat Type K discs for metal, wood, stone or marble. Use open coat Type H discs for soft materials, removing paint and varnish.*

grit	type	7" dia. no.	disc per pkg.	9" dia. no.	disc per pkg.
16	K	7911	10	7922	5
24	K	7912	10	7923	5
30	K	7913	10	7924	5
36	K	7914	10	7925	5
50	K	7915	10	7926	5
60	K	7916	10	7927	10
80	K	7917	10	7928	10
100	K	7918	25	7929	10
120	K	7919	25	7930	25
150	K	7920	25	7931	10
180	K	7921	25	7932	25
16	H	7933	10	7936	5
24	H	7934	10	7937	5
30	H	7935	10	7938	10

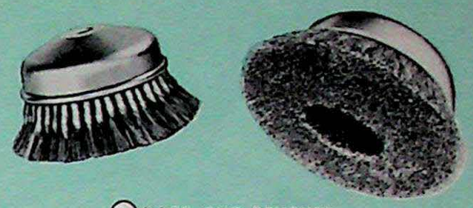
†May be used with any SKIL and most other make polishers.

DISC SANDER ACCESSORIES

(L) WIRE CUP BRUSHES

For cleaning castings, structural steel, tanks, vats, sheet metals, stone, concrete, etc. Used also for removal of heavy rust, scale and paint. Use with 5/8"-11 thread spindle.

part no.	dia. of brush	type brush	dia. of brush wire	part no.	dia. of brush	type brush	dia. of brush wire
21025	6"	Crimp	.020	21029	5"	Crimp	.020
21026	6"	Spiral Twist Single Row	.020	21030	5"	Spiral Twist Single Row	.020
21027	6"	Spiral Twist Double Row	.020	21031	4"	Crimp	.014
21028	6"	Spiral Twist Double Row	.035	21032	4"	Single Row Spiral Twist	.020

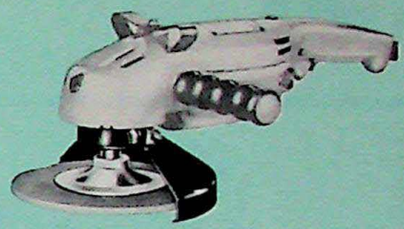


(L) WIRE CUP BRUSHES

(M) RAISED-HUB WHEEL KITS

Include protective guard, adapter flange, lock nut, wrench and one 1/8" thick grinding wheel.

no.	size	for Skil Models
19238	7"	851, 852, 853
19239	9"	852, 13, 540



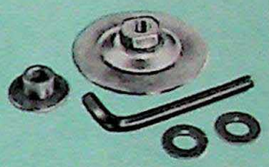
(M) RAISED-HUB WHEEL KIT

(N) **NO. 16896—7" RAISED-HUB WHEEL GUARD ONLY**—Same as furnished with No. 19238.

NO. 16894—9" RAISED-HUB WHEEL GUARD ONLY—Same as furnished with No. 19239.

(O) **NO. 19274 ADAPTER FLANGE**—Same as furnished with Wheel Kits. Includes flange, lock nut, spacing washers and wrench.

(N) RAISED-HUB WHEEL GUARD



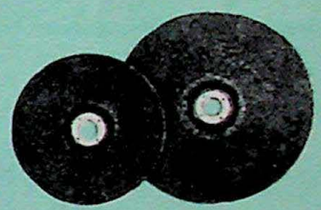
(O) ADAPTER FLANGE

(P) RAISED-HUB DISC WHEELS

Fast-cutting, reinforced grinding wheels for grinding heavy weld beads, structural steel, steel castings, stainless steel and other ferrous metals. Wheels are 24 grit, aluminum oxide except Nos. 21021 and 21022. Packaged 5 per carton.

7" disc wheels		9" disc wheels	
part no.	width	part no.	width
19682	1/8"	19684	1/8"
19683	1/4"	19685	1/4"
21021*	1/4"	21022*	1/4"

*For cement and masonry grinding. Silicon Carbide with 16 grit abrasive.



(P) RAISED HUB DISC WHEELS

(Q) CUP GRINDING WHEELS

Made of securely bonded, highest grade abrasives. Each wheel has a 5/8"-11 thread bushing molded integrally for mounting wheel direct to disc sander spindle. *Use with proper revolving cup wheel guard or adjustable sleeve guard for complete safety.* **(order by number).**

4" diameter			5" diameter			6" diameter		
coarse	med.	fine	coarse	med.	fine	coarse	med.	fine
			Silicon carbide abrasive					
for art marble and terrazzo								
....	....	....	5405	5406	....	5408	5409	....
for marble and onyx			5406	....	....	5409	....	....
for concrete, cement block and brick								
5421	5422	....	5427	5405	5406	5428	5408	5409
for granite			5405	....	....	5408	....	....
for granite composition blocks								
....	....	....	5406	....	....	5409	....	....
for limestone and sandstone								
5422	....	....	5405	....	5406	5408	....	5409
for porcelain and vitreous ware								
....	....	....	5406	....	....	5409	....	....
			Aluminum oxide abrasive					
for cast iron, bronze, un-annealed malleable iron, white iron								
5421	5451	....	5455	5456	....	5457	5458	....
for steel castings, steel welds, structural members, annealed malleable iron								
5459	....	5460	5463	....	5464	5465	....	5466

(Q) CUP GRINDING WHEELS

NOTE — Before using disc wheels and cup grinding wheels, always be sure their maximum safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

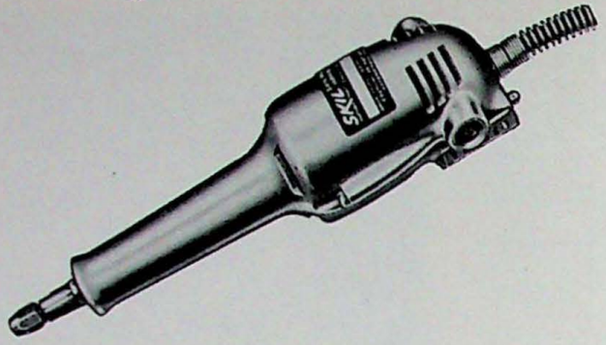
(R) REVOLVING CUP WHEEL GUARDS

Attach directly to spindle. For use with Model 851 (Serial No. A832052 and up), Model 852 (Serial No. B385353 and up) and Model 853 Disc Sanders. Include revolving cup wheel guard and wrench.

No. 19296—4" **No. 19240—5"** **No. 19237—6"**

(R) REVOLVING CUP WHEEL GUARD

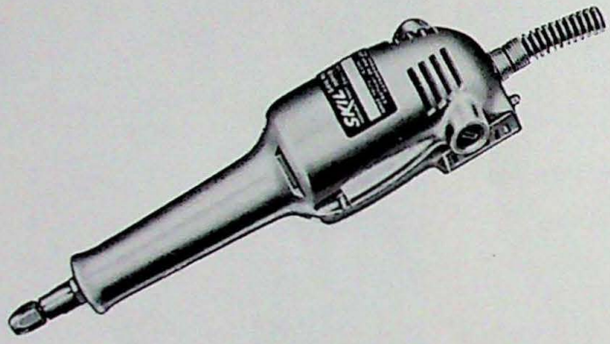
DIE AND PORTABLE GRINDERS



MODEL 146 (⅛" collet chuck — 20,000 r.p.m.)

Excellent die grinder for tool and die departments, pattern shops or model makers.

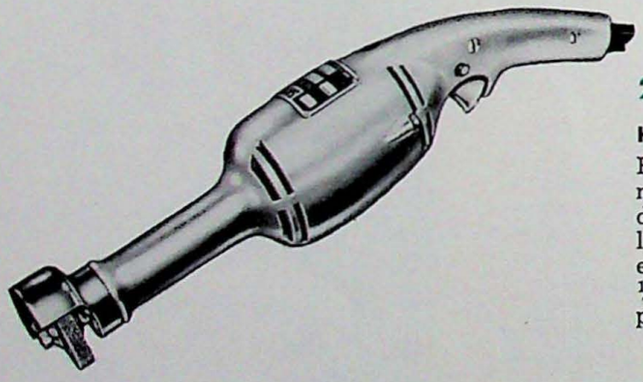
Has specially designed motor for dependable, continuous high speed use. Three ball bearing construction minimizes vibration, provides accurate, precision grinding. For use with mounted wheels and points, carbide cutters, burrs, expanding drums, etc. Provision for pin engagement of spindle for quickly changing collets and other accessories. *Specify voltage.*



ULTRA HIGH-SPEED MODEL 148 (⅛" collet chuck — 36,000 r.p.m.)

Extremely high speed grinder for finest finishing and polishing of dies.

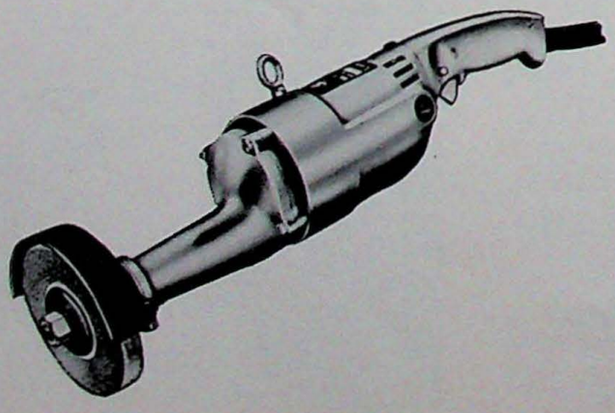
This outstanding, high speed die grinder greatly increases the efficiency of small mounted wheels, points and carbide cutters. Specifically engineered to hold top speed under severe work loads. Rugged three ball bearing construction eliminates shaft deflection; assures smooth, accurate grinding performance. Compact and easy to handle—weighs only 2¼ lbs. *Specify voltage.*



2½" MODEL 171 (dual-purpose — 17,500 r.p.m.)

Handles both portable and die grinding jobs!

Has powerful motor for quickly grinding extremely hard metals; extension spindle provides quick conversion for doing die grinding jobs. Has all ball bearing construction; lightweight and contoured handle for easy handling, fully enclosed trigger switch with locking pin. Uses either ⅜" or ¼" arbor grinding wheels; ¼" shank mounted wheels and points; buffing and polishing wheels. *Specify voltage.*



5" MODEL 959 (5,000 r.p.m.)

Powerful, big capacity grinder for foundries, welding shops, metal fabricators, construction and maintenance work.

This versatile grinder will do a wide range of grinding, wire brushing, buffing and polishing jobs. Now has double sealed, all ball bearing construction for smoother running performance and long life. Also features contour grip handle, fully enclosed trigger switch with pin for locking in "on" position, protective guard that adjusts 360°. Includes eye bolt for overhead suspension. *Specify voltage.*

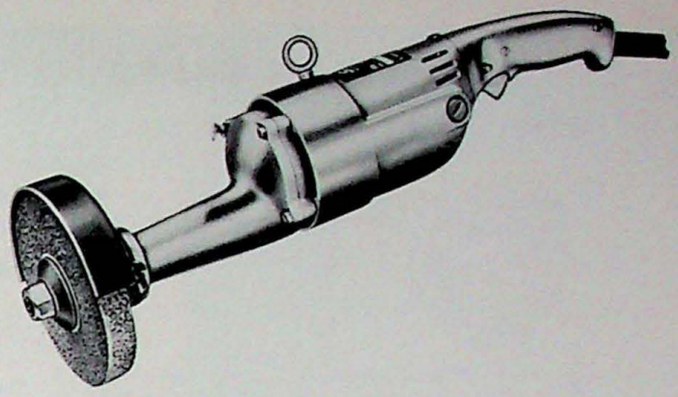
Note: Model 959 can be purchased less wheel and guard for use with the 19248 kit as tuckpointer.

DIE AND PORTABLE GRINDERS

6" MODEL 960 (4,500 r.p.m.)

Extra powerful model for heaviest duty grinding jobs.

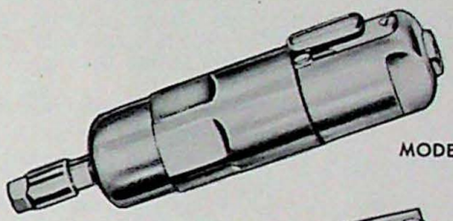
Built to maintain its speed while doing toughest work in grinding heavy castings and weld beads, wire brushing, buffing and polishing metal surfaces. Now has double sealed ball bearings throughout for outstanding performance and long life. Also features enclosed trigger switch with locking pin, adjustable guard, contour handle, eye bolt for overhead suspension. *Specify voltage.*



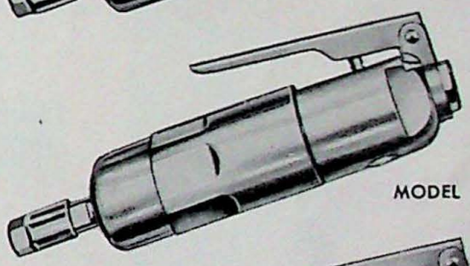
HIGH-SPEED GRINDERS (25,000 r.p.m.)

Now 100% more powerful than before—yet use less air!

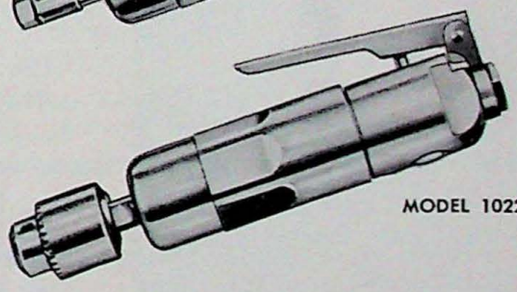
For die grinding, burring, filing and drilling. Feature oversize spindle bearings, heavy shaft and exclusive, trouble-free rotor design. Sustained high speed under load gives excellent results with carbide rotary cutters. Also used with Tool Post Clamp (see page 56) for internal grinding on metalworking lathes. Model 1022, with 3-jaw geared chuck is recommended for high speed drilling with wire gauge drills to sink wood screw pilot holes or to drill in non-ferrous metals. Model 1022 also excellent for use with Perma-Grit Rasps and Rods (see page 57). Other Air Accessories page 65.



MODEL 1007



MODEL 1008



MODEL 1022

SPECIFICATIONS

equipment: Models 146, 148 include ⅛" collet chuck, dressing stone, wrenches, 3 wire cord and plug.

Model 171 includes ¼" collet chuck, extension spindle for ¼" arbor wheels, wrenches, wheel guard, No. 4498 grinding wheel, 3 wire cord and plug.

Models 959 and 960 include wheel guard, suspension eye bolt, med. grit grinding wheel, 3 wire cord and plug.

Models 1007, 1008 and 1022 include ¼" collet (except 1022 which includes ¼" geared chuck and key),8' air hose and couplings.

motors: Universal, D.C. or A.C. up to 60 cycles (except air models).

voltages: Standard 115; furnished on order for 220 and other voltages at no extra cost (except air models).

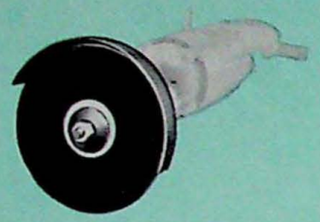
switches: Models 146, 148 toggle type; Models 171, 959, 960 enclosed, double-pole, momentary contact trigger type; Model 1007 has button throttle; Models 1008, 1022 have lever throttle.

bearings: All ball bearing construction.

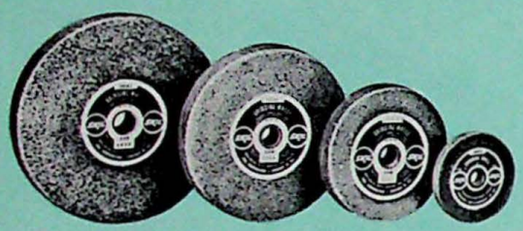
model no.	wheel capacity, inches	spindle diam., inches	speed no-load r.p.m.	amp. rating at 115V	length overall, inches	net weight, lbs.	shpg. weight, lbs.
146	1¼ mounted	⅛ collet chuck	20,000	1.3	9¾	2¼	4
148	¾ mounted	⅛ collet chuck	36,000	2.5	9¾	2¼	4
171	2½ x ⅜	⅜	17,500	3	16⅝	6	9
959	5 x ¾	½	5,000	10	22½	12¾	21
960	6 x 1	⅝	4,500	12	22½	15¾	23
1007	1½" elastic,	⅜	25,000	—	6⅝	1	6
1008	1" vitrified wheels	⅜	25,000	—	6¾	1	3
1022	⅛ in wood non-ferrous metals	⅜	25,000	—	7	1⅛	6

See Page 56 for Accessory Information

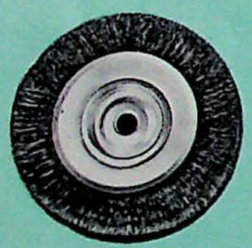
DIE AND PORTABLE GRINDER ACCESSORIES



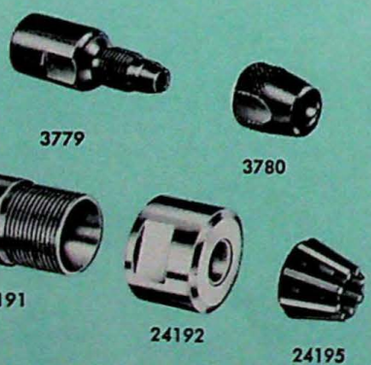
Ⓐ NO. 19248 TUCKPOINTING KIT



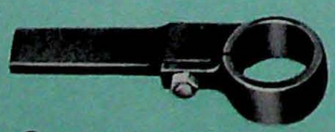
Ⓑ GRINDING WHEELS



Ⓒ WIRE WHEEL BRUSHES



Ⓓ COLLETS AND CHUCKS



Ⓔ TOOL POST CLAMP

Ⓐ NO. 19248 TUCKPOINTING KIT

For use with Model 959 Grinder to penetrate as deep as necessary to clean out loose mortar. Kit includes No. 11646 silicon carbide wheel, 8" wheel guard, wrench and arbor bushing.

"FLEX" POINTING WHEELS

For use with No. 19248 Kit and former model 465 Skil Tuckpointing Grinder. Of nylon reinforced construction for cutting lime and cement mortar, brick, concrete and similar materials. *Silicon carbide abrasive.*

Part No.	Size	Arbor hole	Pkg. Qty.
11646	8" x 1/8"	5/8"	10
11647	8" x 3/16"	5/8"	10

Ⓑ GRINDING WHEELS

for Models 171, 959, 960, former Models 15, 16, 142

part no.	type	size	arbor hole	grit	for model
4498	high strength, reinforced	2½"	3/8"	36 med.	171
5882	aluminum oxide	4"	½"	30 med.	15
19581	aluminum oxide	5"	½"	30 med.	16,959
19582	aluminum oxide	6"	5/8"	24 med.	142,960

NOTE: Before using any pointing or grinding wheel, be sure safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

Ⓒ WIRE WHEEL BRUSHES

for Portable or Bench Grinders

Heavy duty wire wheel brushes ideally suited for removing paint, scale, rust, stains, buffing, deburring and finishing metals.

part no.	dia.	std. arbor	face width	wire size
21033	4"	½"	7/8"	.014
21034	6"	½"	1 3/4"	.0104
21035	6"	½"	1 3/4"	.014

No. 21043 Arbor Adapters (pair)—required when mounting Nos. 21034 and 21035 brushes on No. 960 Grinder.

Ⓓ COLLETS AND CHUCKS

for Models 146, 148, 1007, 1008, 1022.

part no.	item	for model
3779*	1/8" collet	146, 148
3780*	1/8" cap for above collet	
9397*	1/4" collet	146
9398*	1/4" cap for above collet	
15141	1/4" collet	1007, 1008**
15278	3/16" collet	
15279	1/8" collet	
24191	collet body	1007, type 4
24192	collet nut for 24191	1008, type 5
24193	1/8" collet	1022, type 4
24194	3/16" collet	
24195	1/4" collet	
11336	1/32" geared chuck and key	146
11337	key only for above	
2025	1/4" geared chuck and key	1022
1752	key only for above	

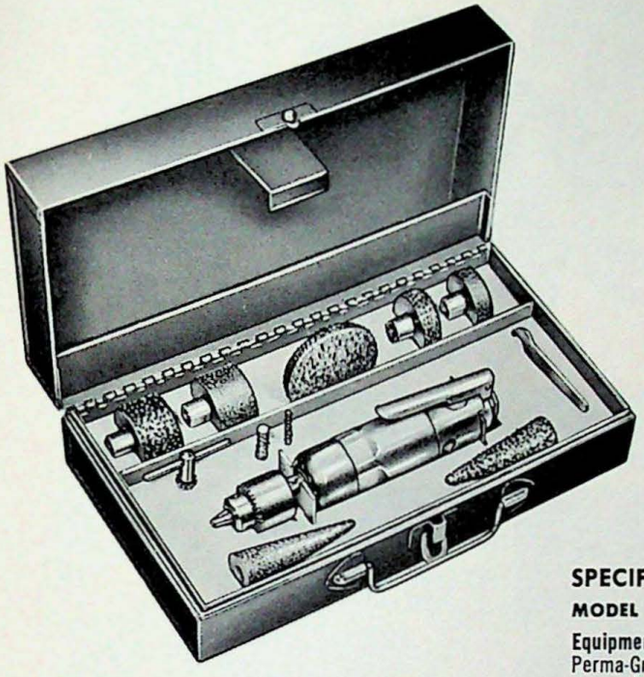
*Order cap and collet for complete chuck.
**Order for Model 1007 types 1, 2, 3; Model 1008 types 1, 2, 3, 4.

OTHER DIE GRINDER ACCESSORIES

No. 15258—Arbor (for wheels with 1/4" Hole)
No. 15260—Arbor (for wheels with 3/8" Hole)
No. 15251—Tool Post Clamp with Bar 5" x 3/8" x 1" High
Ⓔ **No. 15249**—Tool Post Clamp with Bar 6" x 9/16" x 1 1/4" High
No. 15254—3" Spindle Extension (for 1/4" Hole Wheels)
No. 15284—Hexagon Wrench for Oil Plug
No. 15285—Wrench for Collet Sleeve
No. 15286—Wrench for Spindle
No. 11325—Air Regulator
No. 25333—Wrench for Nos. 24191 & 24192

AIR GRINDING AND BUFFING KIT

FAST, LOW COST WAY TO GRIND PLASTICS, LAMINATES, AND TO BUFF AND CLEAN-OUT TIRES



NOW IMPROVED! TWICE AS POWERFUL, YET USES LESS AIR!

MODEL 412 GRINDING AND BUFFING KIT

Now 100% more powerful than before, yet uses far less air.

Saves money two ways for more profitable grinding and buffing work:

1. Uses high speed, light-weight SKIL Air Grinder that costs only ½ the price of conventional, heavy, flexible shaft equipment!
2. Includes super-tough Perma-Grit* Tungsten Carbide Rasps and Rods that speed-up work . . . last up to 20 times longer than ordinary rasps!

Air grinder weighs only 1⅛ lbs. . . . is extremely easy to use . . . quickly moved from job to job . . . cuts operator fatigue, makes it easy to do hard-to-get-at jobs.

Excellent for grinding plastics, fiberglass, rubber, composition materials in boat, aircraft, auto and other industries and for buffing and cleaning-out tires.

SPECIFICATIONS

MODEL 412 COMPLETE GRINDING AND BUFFING KIT

Equipment: Includes No. 1022 Grinder, 2 Perma-Grit rotary rasps, 2 Perma-Grit rod rasps, 4 Perma-Grit cup rasps, 1 Perma-Grit wheel rasp (one of each of all rods and rasps listed below), chuck key, wrench and steel carrying case.

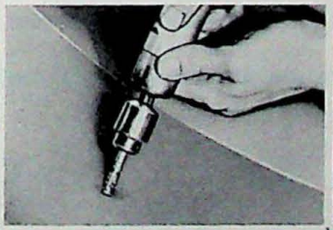
Specifications: No. 1022 Grinder has 25,000 r.p.m. speed; 7" overall length; 1⅛ lbs. net weight. Complete kit 7 lbs. net weight; 7½ lbs. ship. weight.

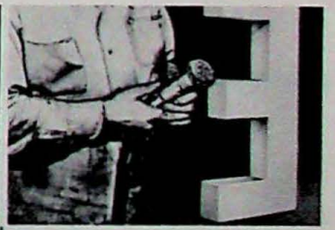
No. 1022 SKIL Air Grinder is also available separately, see Page 55. See Page 65 for information on air line filter and other air accessories.

PERMA-GRIT* TUNGSTEN CARBIDE RODS AND RASPS

Speed buffing and grinding of rubber, plastic, composition materials . . . last up to 20 times longer to greatly reduce rasp replacement costs as well as burning or scorching of material often caused by dull rasps. Can be cleaned with wire brush or solvent.

For use with No. 1022 Skil Grinder (as illustrated). Adapters are available to permit use of Perma-Grit Rasps only in drills, grinders, flexible shafts.





PERMA-GRIT CUP RASPS

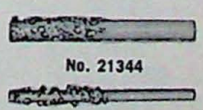
Extremely fast cutting. For grinding and cleaning large areas.

No. 21335 No. 21334

Part No.	Dia., Inches	Face Width, Inches	Grit
21338	2	½	46
21337	2	½	16
21335	2	1	46
21334	2	1	16

PERMA-GRIT RODS

Quickly grind out nail holes in tires; small radius contours in other material.



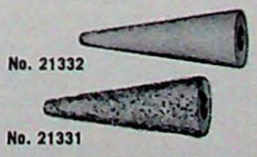
No. 21344

No. 21343

Part No.	Dia., Inches	Length, Inches	Grit
21344	¼	2¼	16
21343	⅛	2¼	16

PERMA-GRIT CONE RASPS

Excellent for fast, smooth cavity and angle grinding and buffing.



No. 21332

No. 21331

Part No.	Base Dia., Inches	Length, Inches	Grit
21332	1	3	46
21331	1	3	16

PERMA-GRIT WHEEL RASP

Large wheel grinds fast and cool. Use for slotting and trimming.

No. 21340

Part No.	Dia., Inches	Face Width, Inches	Grit
21340	2½	5/16	16

No. 21345 Adapter — Permits use of Perma-Grit Rasps in chucks of drills, grinders, flexible shafts. Has ¼" straight shank.

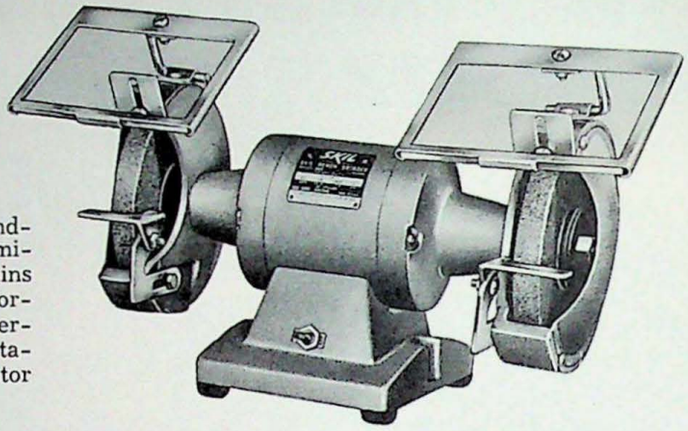
No. 25435 Adapter — Permits use of Perma-Grit Rasps on grinders and flexible shafts having ½" x 20 thread spindles.

*Perma-Grit is a trademark of SKIL Corporation. Tungsten Carbide Abrasives Pat. No. 2,906,612.

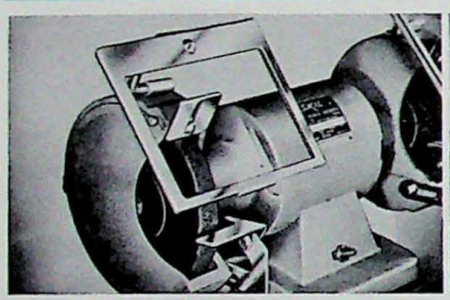
BENCH GRINDERS

6" Deluxe MODEL 287 (⅓ h.p.)

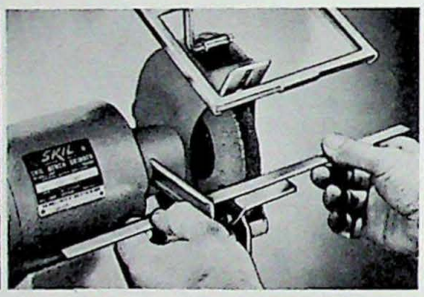
Has plenty of power for handling a wide range of grinding, wire brushing, cleaning and buffing jobs. Dynamically-balanced, split phase motor starts fast, maintains speed. Rotor is mounted on dust-sealed, lubricated-for-life ball bearings for vibration free, cool-running performance. Rugged cast iron construction for greater stability. Base cover plate removes for easy access to motor and wiring. *Specify voltage and phase.*



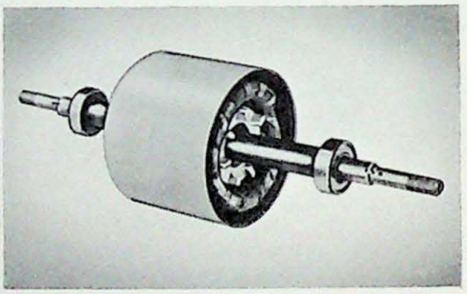
SKIL 6" Deluxe Model 287 Gives You all these Performance Features!



Removable end bell covers, and adjustable eyeshields, spark arrestors and tool rests are all standard equipment.



Shaft design provides ample work clearance . . . compact motor housing permits grinding of long work across entire front.



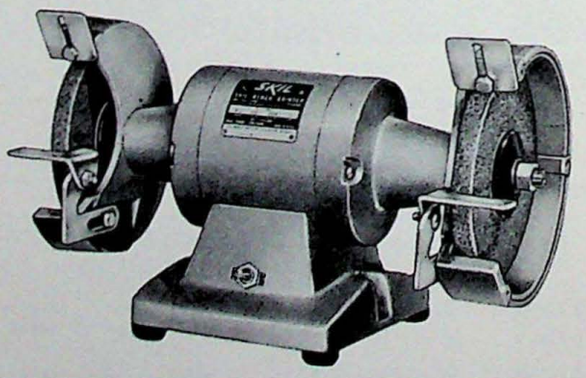
Heavy duty motor and dust-sealed, lubricated-for-life ball bearings give dependable, vibration-free performance.

- **Heavy-duty cast iron construction for stability.**
- **Convenient toggle switch in base.**
- **Attractive, grey crackle-finish is modern, easy-to-keep clean.**
- **Base has rubber feet and holes for easy mounting to No. 25331 Pedestal or work bench.**

6" Standard MODEL 286 (⅓ h.p.)

Economical model for handling wire brushing, buffing and grinding jobs.

Similar to, and has all the features of, Model 287 except does not include end bell covers and adjustable eye shields. Provides accurate, versatile grinding at low cost. Their low cost makes it possible to use Model 286 Grinders throughout plants and shops to eliminate time formerly lost in taking tools long distances for regrinding. Use with No. 25331 Pedestal. (See Page 60.) *Specify voltage and phase.*



See Page 60 for Bench Grinder Accessories.

BENCH GRINDERS

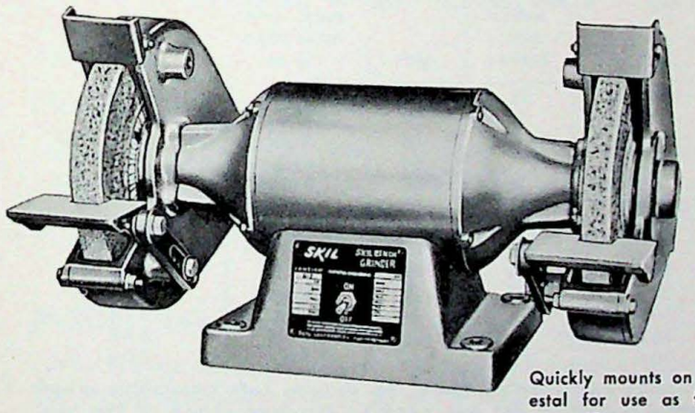
Both models quickly mount on No. 25332 Pedestal for use as floor model, see Page 60.

7" MODEL 607 (½ h.p.)

A big capacity grinder with the extra power needed for doing a wide range of jobs in automotive and machine shops. Has lubricated-for-life, double sealed ball bearings that keep out harmful abrasive dust and assure smooth, heavy duty service in grinding, tool sharpening, wire brushing and buffing. Adjustable, machined, U-shaped tool rests permit grinding on both sides as well as face of wheel. Other important features include adjustable spark arrestors, rugged cast iron wheel guards and end bell covers and integral dust chutes for safety and attachment of shop dust pick-up equipment. *Specify voltage and phase.*

8" MODEL 614 (½ h.p.)

Similar to and has all the features of Model 607 except accommodates 8" wheels for doing even bigger grinding jobs. *Specify voltage and phase.*



Quickly mounts on No. 25332 Pedestal for use as floor model, see Page 60.

10" MODEL 617 (1 h.p.)

Full one-horsepower grinder for continuous heavy duty use in factories; foundries; garages; machine, welding and maintenance shops. Has lubricated-for-life, double sealed ball bearings for smooth, maintenance-free performance. Adjustable, machined, U-shaped tool rests permit grinding on both sides and face of wheel. Equipped with adjustable spark arrestors, removable wheel guards and end bell covers, integral dust chutes that facilitate attachment to dust pick-up equipment. *Specify voltage and phase.*

SPECIFICATIONS

equipment, all models: One fine and one medium grit wheel; tool rests; end bell covers (except Model 286) 3-wire cord and connector (not included with Model 617 and 3-phase grinders). Model 287 includes pair of eye shields.

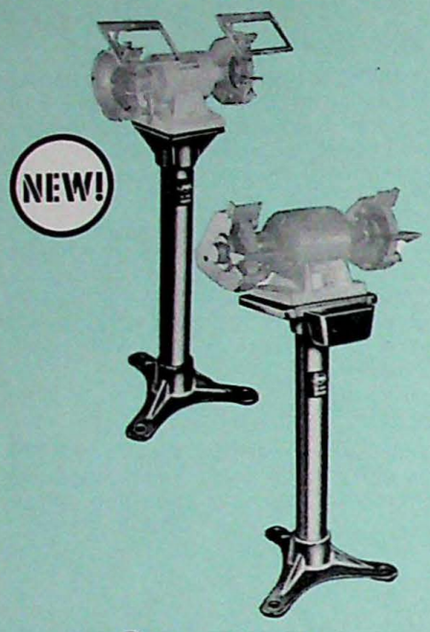
motors: Models 286, 287, split-phase induction, 60 cycle. Models 607, 614, 617 capacitor-start induction 50-60 cycle.
switches: All switches, enclosed toggle-type.
bearings: All ball-bearing construction.

model no.	wheel size, inches	arbor size, inches	distance between wheels	clearance to mtr. hous'g	base depth & width	amp. rating at 115v	h.p.	speed no-load r.p.m.	a.c. voltages, 1-phase	a.c. voltages, 3-phase	net wt., lbs.	shpg. wt., lbs.
286	6 x ½	½	11 1/16"	⅜"	6⅜" x 8"	4.1	⅓	3450	115 150 220	220	35	40
287	6 x ¾	½	11 1/16"	⅜"	6⅜" x 8"	4.1	⅓	3450	115 150 220	220	38	44
607	7 x 1	⅝	15 1/16"	¼"	8" x 9"	6.8	½	3450	115 220	208/220/440†† 550*	60	72
614	8 x 1	⅝	15 1/16"	¾"	8" x 9"	6.8	½	3450	115 220	208/220/440†† 550*	70	82
617	10 x 1	¾	17 1/16"	1½"	9" x 11"	12	1	1725	115/230†	208/220/440†† 550*	102	122

*Available on Special Order at Extra Cost. †Dual Voltage. ††Triple Voltage.

State Model No., Voltage and Phase when ordering. Standard 115-volt will be shipped unless otherwise specified.

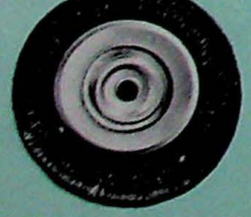
BENCH GRINDER ACCESSORIES



Ⓐ GRINDER PEDESTALS

Ⓑ ILLUMINATED EYE SHIELD

Ⓒ GRINDING WHEEL



Ⓓ WIRE WHEEL BRUSH

Ⓐ GRINDER PEDESTALS

Heavy duty cast iron construction. Three-leg bases provide firm support on level or uneven floors; pre-drilled holes in legs make permanent installations easy. If desired, column may be cut to reduce overall height. Openings in top for fast installation of Skil Grinders or most other makes. Top may also be drilled to accommodate other light machinery. No. 25332 includes built-in water pot.

pedestal no.	height	top	net wgt. lbs.	ship. wgt. lbs.	for Skil models
25331	33″	6½″ x 8″	33	41	286, 287
25332	33″	9″ x 11″	46	54	607, 614, 617

Ⓑ NO. 5156 ILLUMINATED EYE SHIELD

Gives eye protection and work visibility! Has fixture for mounting on all SKIL Bench Grinders, with cord lead for internal connection. 4″ x 6″ safety glass has protective sheet of plain glass below. Easily adjusted. Order two for each grinder. *(Wired for 115 volts only)*

STANDARD EYE SHIELD

No. 11499, pair; No. 11599, single

Made of ¼″ thick shatterproof glass, metal framed and adjustable to angle desired. Outside dimensions, 6⅜″ wide x 5¼″ high. Order a pair for each grinder.

No. 11597—Replacement safety glass for above.

Ⓒ GRINDING WHEELS — for Bench Grinders

Top quality replacement grinding wheels for SKIL Bench Grinders. Balanced construction assures smooth performance.

part no.	size, inches	arbor size, inches	grit	max. safe operating r.p.m.	for model
11240	6 x ½	½	36	4140	246, 286
10657	6 x ½	½	60	4140	246, 286
10764	6 x ¾	½	36	4140	247, 287, 567
10794	6 x ¾	½	60	4140	247, 287, 567
23115	6 x ¾	½	100	4140	247, 287, 567
12254	7 x 1	⅝	36	3545	563, 607
12255	7 x 1	⅝	60	3545	563, 607
12252	8 x 1	⅝	36	3820	658, 614
12253	8 x 1	⅝	60	3820	658, 614
21079	10 x 1	¾	36	2480	617
21080	10 x 1	¾	60	2480	617
12202	10 x 1	1	36	2480	564
12211	10 x 1	1	60	2480	564

NOTE: Before using any grinding wheel, be sure its safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards.

Ⓓ WIRE WHEEL BRUSHES — for Portable or Bench Grinders

Heavy duty wire wheel brushes ideally suited for removing paint, scale, rust, stains, buffing, deburring and finishing metals. Brushes can be used with either portable or stationary grinders.

part no.	diameter	std. arbor	face width	wire size
21033	4″	½	⅞″	.014
21034	6″	½	13/16	.0104
21035	6″	½	13/16	.014
21036	7″	⅝	⅞″	.0104
21037	7″	⅝	⅞″	.014
21038	8″	⅝	1¼″	.020
21039	8″	⅝	1¼″	.014
21040	10″	¾	1¼″	.020
21041	10″	¾	1¼″	.014

ARBOR ADAPTERS (PAIRS) — for Wire Wheel Brushes

part no.	arbor dia.	for brushes
21042	½	6″, 7″ and 8″ Dia.
21043	⅝	6″, 7″ and 8″ Dia.
21044	¾	7″, 8″ and 10″ Dia.
21045	1	8″ and 10″ Dia.

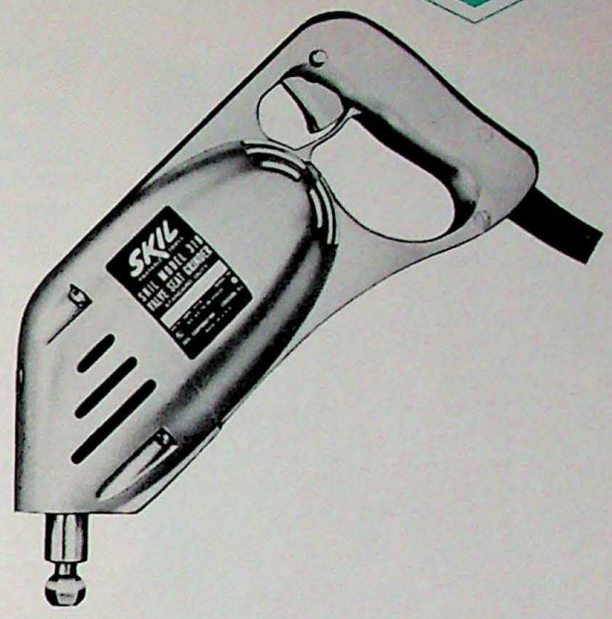
VALVE SEAT GRINDERS

MODEL 318 (standard-duty)

MODEL 319 (heavy-duty)

For grinding valve seats on all types of automotive, truck, marine and stationary gasoline and diesel engines.

- **Job-proved to run cooler, handle easier, produce accurate results.**
- **Popular 45° angle drive for easy work in confined spaces.**
- **Heavy-duty model has extra power and ruggedness for handling 2" and larger diameter stones.**
- **Both models quality built throughout for lasting dependability.**



SPECIFICATIONS

equipment: Hexagon-ball spindle; 3-wire cord and plug.
motors: Universal, D.C. or A.C. up to 60 cycles.
voltages: Standard, 115; furnished on order for 220 and other voltages at no extra cost.
switches: Enclosed double-pole, momentary-contact trigger type with locking pin.
bearings: Sealed ball on all shafts.

model no.	duty rating	no-load speed, r.p.m.	amp. ratings at 115V	overall length, inches	net weight, lbs.	shpg. weight, lbs.
318	standard	13,000	3	11⅞	6	8
319	heavy	10,000	4	11⅞	6½	8

VALVE SEAT GRINDING SETS

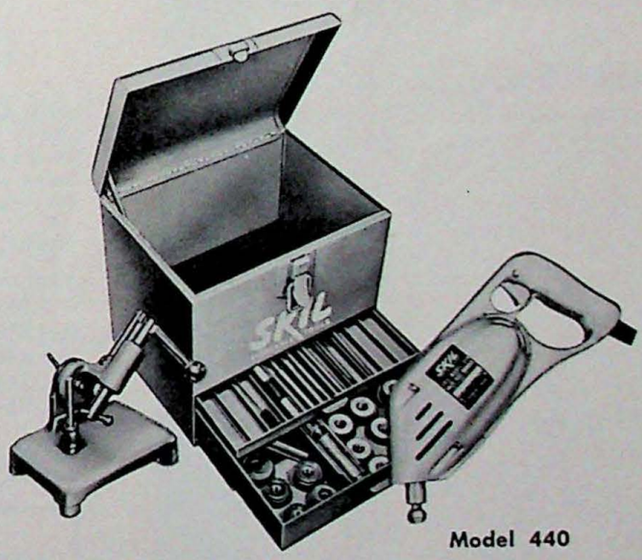
BASIC SETS

MODEL 439 (standard-duty)

Basic equipment for valve grinding work. Includes Model 318 Valve Seat Grinder, No. 7500 Carrying Cabinet, No. 7600 Stone Dressing Stand and two No. 7560 Stone Holders. *Specify voltage.* Shpg. wgt. 47 lbs.

MODEL 441 (heavy-duty)

Basic set for assembling a heavy-duty valve seat grinding outfit. Excellent for shops doing large engine work. Includes Model 319 Valve Seat Grinder, No. 7500 Carrying Cabinet, No. 7600 Stone Dressing Stand and two No. 7560 Stone Holders. *Specify voltage.* Shpg. wgt. 47 lbs.



Model 440

DELUXE SETS

MODEL 440 (standard-duty)

For fast handling of all regular valve seat work. Includes Model 318 Valve Seat Grinder (specify voltage), No. 7500 Carrying Cabinet, No. 7600 Stone Dressing Stand and following accessories:

1—**No. 7501** Stone (1¼")
1—**No. 7502** Stone (1⅜")
2—**No. 7503** Stones (1½")
2—**No. 7504** Stones (1⅝")
2—**No. 7505** Stones (1¾")
1—**No. 7461** Valve Guide Brush
2—**No. 7560** Stone Holders
1—**No. 7572** Pilot
1—**No. 7575** Pilot
1—**No. 7578** Pilot
1—**No. 7593** Pilot
1—**No. 7450** Pilot Wrench

Shipping wgt. 50 lbs.

No. 7500 Steel Carrying Case—Same as illustrated above. Has carrying handle, hinged top, 2 drawers.

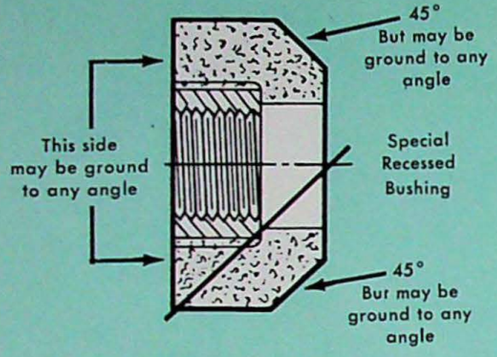
MODEL 442 (heavy-duty)

For all shops handling large truck, tractor and marine engines. Includes Model 319 Valve Seat Grinder (specify voltage), No. 7500 Carrying Cabinet, No. 7600 Stone Dressing Stand and the following accessories:

1—**No. 7501** Stone (1¼")
1—**No. 7502** Stone (1⅜")
2—**No. 7503** Stones (1½")
2—**No. 7504** Stones (1⅝")
2—**No. 7505** Stones (1¾")
1—**No. 7506** Stone (1⅞")
1—**No. 7507** Stone (2")
1—**No. 7508** Stone (2⅛")
1—**No. 7509** Stone (2¼")
1—**No. 7511** Stone (2½")
1—**No. 7513** Stone (2¾")
1—**No. 7461** Valve Guide Brush
2—**No. 7560** Stone Holders
1—**No. 7572** Pilot
1—**No. 7575** Pilot
1—**No. 7578** Pilot
1—**No. 7583** Pilot
1—**No. 7586** Pilot
1—**No. 7593** Pilot
1—**No. 7450** Pilot Wrench

Shipping wgt. 53 lbs.

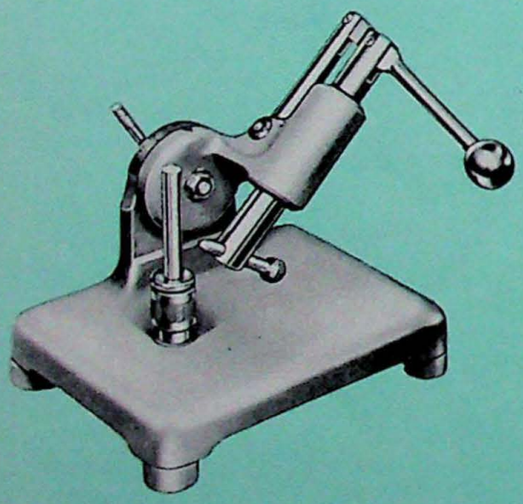
SEAT GRINDER ACCESSORIES


45°
But may be ground to any angle
This side may be ground to any angle
Special Recessed Bushing
45°
But may be ground to any angle

Ⓐ GRINDING STONES

Ⓑ STONE HOLDER

Ⓒ ADAPTER BUSHING



Ⓓ STONE DRESSING STAND

Ⓔ REPLACEMENT DIAMOND NIB

Ⓐ VALVE SEAT GRINDING STONES

Made from highest quality electric furnace abrasives with short threaded metal insert for greater wear. Fit $1\frac{1}{16}$"—16 threaded stone holders (see below). *All stones are dressed to a $\frac{1}{8}$" face at 45° to simplify ordering, but both sides are easily dressed to any other angle needed.* Special recessed bushing permits extra dressings and grinding is done from both sides of wheel at different angles for long wheel life . . . extra versatility.

SPECIFICATIONS

stone size	seating stones for cast iron, soft steel	seating stones for hard steel, stellite	finishing stones
diameter inches	part number	part number	part number
$1\frac{1}{16}$	7548	7418	7518
$1\frac{3}{16}$	7549	7419	7519
$1\frac{1}{4}$	7531	7401	7501
$1\frac{3}{8}$	7532	7402	7502
$1\frac{1}{2}$	7533	7403	7503
$1\frac{5}{8}$	7534	7404	7504
$1\frac{3}{4}$	7535	7405	7505
$1\frac{7}{8}$	7536	7406	7506
2	7537	7407	7507
$2\frac{1}{8}$	7538	7408	7508
$2\frac{1}{4}$	7539	7409	7509
$2\frac{3}{8}$	7540	7410	7510
$2\frac{1}{2}$	7541	7411	7511
$2\frac{5}{8}$	7542	7412	7512
$2\frac{3}{4}$	7543	7413	7513
$2\frac{7}{8}$	7544	7414	7514
3	7545	7415	7515
$3\frac{1}{8}$	7546	7416	7516
$3\frac{1}{2}$	7547	7417	7517

NOTE: Before using any grinding stone, be sure its safe operating speed (shown on wheel blotter) is not exceeded by the free speed of the tool (shown on nameplate). Use only on tools with proper safety guards. CAUTION: Speed of Model 318 Grinder exceeds safe operating speed of 2" or larger dia. listed above. Use Model 319 for these larger stones.

Ⓑ SKIL STONE HOLDERS

Machined and reamed to fit all SKIL Pilots accurately. Threaded end fits all SKIL Stones and others with a $1\frac{1}{16}$"—16 thread.

No. 7560—Standard stone holder.
No. 7425—Ball bearing stone holder.
No. 7495—Stone holder for Kaiser-Frazer.
No. 7596—Stone holder for Crosley.

Ⓒ No. 7499 ADAPTER BUSHING — for using Skil Stones with holders having $\frac{9}{16}$"—16 thread (see interchangeability chart below).

INTERCHANGEABILITY INFORMATION

Skil Valve Seat Grinders will drive Black & Decker and K. O. Lee stone holders. The following chart indicates the interchangeability of Skil stones and stone holders:

	Black & Decker	Sioux	Thor	K.O. Lee
SKIL Stones fit	stone holders*	stone holders	stone holders	stone holders
SKIL Stone holders fit	pilots dressing stand	stones	stones pilots dressing stand	stones pilots dressing stand

*When used with No. 7499 Adapter Bushing.

Ⓓ NO. 7600 STONE DRESSING STAND

Makes quick work of dressing and cutting stones to exact angle. Has heavy base and replaceable diamond nib (see below). Angle adjustment is graduated and locks at 0, 15, 30, 45, 60, 75, and 90°. Shpg. wt., 12 lbs.

Ⓔ NO. 7601 REPLACEMENT DIAMOND NIB

Brazed to screw for immediate use on No. 7600 Stone Dressing Stand.

SEAT GRINDER ACCESSORIES

ⓕ SELF-EXPANDING PILOTS

Do not require manual expansion! Also serve as plug gauge.
One-piece tapered and slotted construction for quick operation, accuracy of fit and low cost. Make large assortment of plug pilots unnecessary. SKIL Pilots provide a rigid, centered fit in worn guides.

part no.	pilot size	A	B	C	part no.	pilot size	A	B	C
7570	1/4	2 1/4	2 3/8	4 1/2	7585	7/16	3 15/16	4 5/16	8 1/2
17941	1/4	1 7/8	2	3 7/8	17943	7/16	2 1/4	3	5 1/4
7571	9/32	2 1/4	2 3/8	4 5/8	7586	1/2	3 1/4	3	6 1/4
17942	9/32	1 7/8	2	3 7/8	7587	1/2	3 13/16	4 1/16	8
7572	5/16	2 1/2	2 3/4	5 1/4	17944	1/2	3 13/16	3 5/16	7 1/4
7573	5/16	2 3/16	2 3/8	4 5/16	17945	17/32	3 1/4	3 1/2	6 3/4
7574	5/16	2 1/2	3 3/4	6 1/4	7588	9/16	3 1/4	3	6 1/4
7575	11/32	2 1/2	2 3/4	5 1/4	11812	9/16	3 15/16	4 1/16	8
7576	11/32	2 1/8	2 3/8	4 1/2	7589	19/32	1 1/2	3 3/4	5 1/4
7577	11/32	2 1/2	3 3/4	6 1/4	7590	5/8	3 1/4	3	6 1/4
7599	11/32	Special for Kaiser-Frazer			7591	11/16	3 1/4	3	6 1/4
					17947	11/16	3 7/8	4 1/2	8 3/8
23603	.370	2 3/4	3 1/4	6	7594	3/4	3 1/2	3 1/4	6 3/4
7578	3/8	3	3	6	7593	1 1/32	1 1/4	3 5/16	4 5/16
7579	3/8	2 1/8	2 3/8	4 1/2	7592	.850	Special for Ford		6 1/4
7580	3/8	3	4 1/4	7 1/4					
7595	.397	2 5/8	2 1/2	5 1/8	21054	6MM	2 1/4	2 3/8	4 5/8
7581	13/32	3	3	6	21055	7MM	2 1/4	2 3/8	4 5/8
7582	13/32	3	4 1/4	7 1/4	21056	9MM	2 1/2	2 3/4	5 1/4
7583	7/16	3 1/4	3	6 1/4	21057	10MM	3	3	6
7584	7/16	3 1/4	4 1/4	7 1/2					

ⓖ NO. 7450 PILOT WRENCH

Instantly places or removes pilots from valve guides.

CARBON REMOVING BRUSHES

ⓗ CIRCULAR BRUSHES

Flared brushes used for effective side cleaning action in blind and thru holes. Quickly remove hard carbon deposits from cylinder heads and cylinders. Excellent also for rust, paint and burr removal work. 1/4" shanks fit all electric drills.

part no.	wire and type	brush dia.	wire dia.
4268	Crimp Circular	1 1/2"	.020
4269	Crimp Circular	3"	.020

ⓘ END BRUSHES

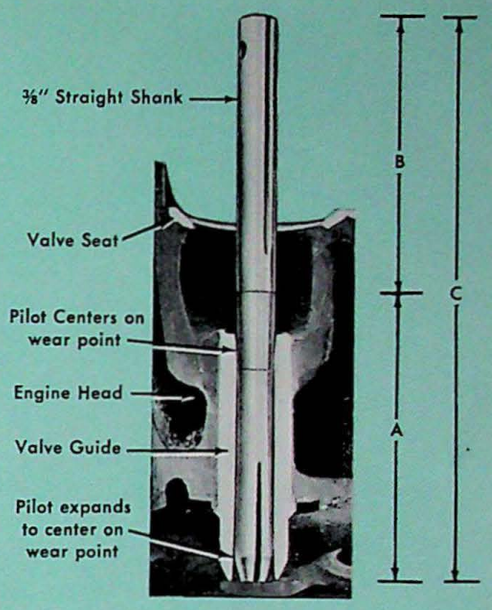
For cleaning valve seats and other hard-to-reach spots, as well as for general cleaning. Made with high-tensile wire for fast removal of rust, rubber, carbon deposits, paint, etc. No. 20848 is twist type for most severe cleaning jobs. 1/4" shanks fit all electric drills.

part no.	wire and type	brush dia.	wire dia.
4264	Crimp End	3/4"	.0104
4265	Crimp End	3/4"	.020
4266	Crimp End	1"	.0104
4267	Crimp End	1"	.020
20848	Spiral Twist End	1"	.020

SKIL VALVE REFACER ACCESSORIES

For use with discontinued Models 411, 421 and 491

part no.	description	for use with SKIL valve refacer model		
		411	421	491
2571	Coolant, Pint	X	X	X
7530	Double End Collet—1/4" to 3/8"	X	X	X
7550	Diamond Nib	X	X	X
7551	Diamond Holder 45°			X
7552	Ford Depth Gauge	X	X	X
7554	Double End Collet—9/32" to 5/16"	X	X	X
7555	Double End Collet—1/2" to 11/16"	X	X	X
7556	5" Straight Face Offset Grinding Wheel (General Purpose)			X
7557	4" Steel Back Grinding Wheel			X
7568	5", 15° Offset Grinding Wheel (for soft steel)			X
7569	5", 15° Offset Grinding Wheel (for hard steel)			X
7601	Diamond Nib	X	X	
17549	4" Recessed Butt Grinding Wheel		X	



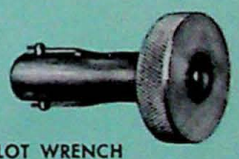
ⓕ SELF EXPANDING PILOTS

HOW TO SELECT A PILOT

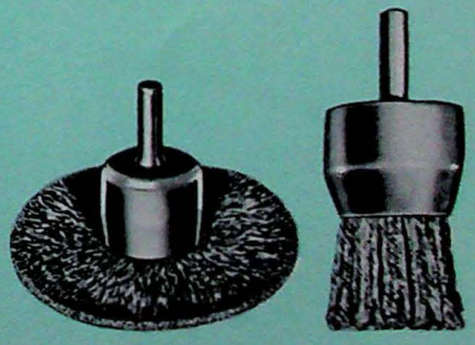
(1) Measure diameter and length of valve guide.

(2) Select a pilot with the same diameter as the valve guide and an "A" dimension the same as, or slightly shorter than, the valve guide length.

(3) Measure distance from valve seat to top of valve guide. Deduct this distance from "B" dimension and make sure sufficient pilot length (1" or more) will protrude above seat to accommodate stone and stone holder.



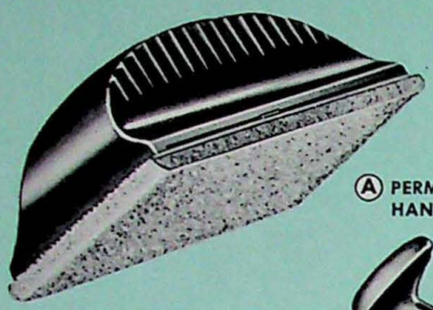
ⓖ PILOT WRENCH



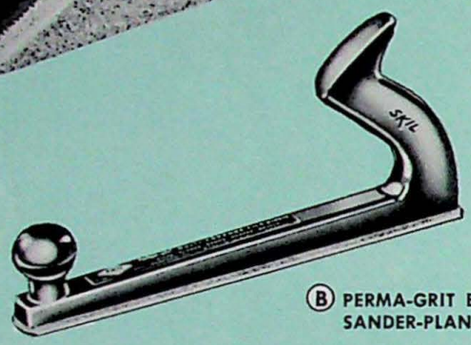
ⓗ CIRCULAR BRUSH ⓘ END BRUSH

SKIL

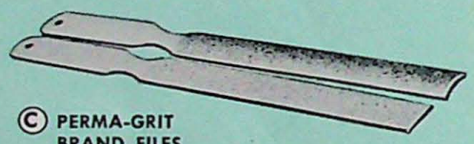
PERMA-GRIT* BRAND TUNGSTEN CARBIDE ABRASIVE PRODUCTS



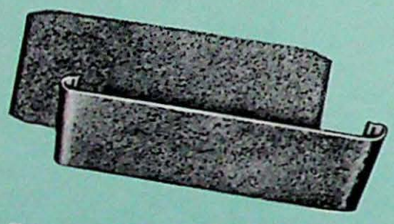
Ⓐ PERMA-GRIT BRAND HAND SANDER



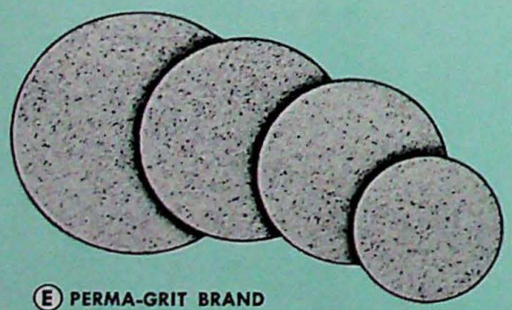
Ⓑ PERMA-GRIT BRAND SANDER-PLANE



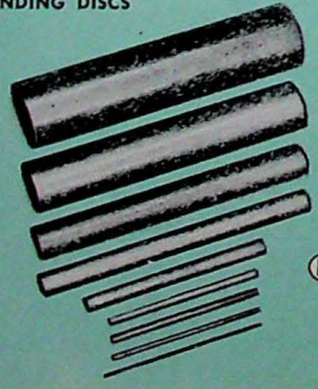
Ⓒ PERMA-GRIT BRAND FILES



Ⓓ PERMA-GRIT BRAND SANDING SHEETS



Ⓔ PERMA-GRIT BRAND SANDING DISCS



Ⓕ PERMA-GRIT BRAND SLEEVES AND RODS

Ⓐ NO. 20001 PERMA-GRIT* HAND SANDER

Comfortable, formed plastic block with sanding sheet of tungsten-carbide grit bonded to steel. For fast sanding of wood, wallboard, plastics, compositions and dry wall joints. Easily cleaned with wire brush and solvent. Comes complete with 60 grit Perma-Grit sheet. Additional sheets available, see below.

PERMA-GRIT* REPLACEMENT SHEETS FOR HAND SANDER

No. 18763—36 coarse grit	**No. 18972**—100 fine grit
No. 18971—60 medium grit	**No. 18973**—150 fine grit
No. 18982—80 medium-fine grit	**No. 18764**—220 very fine grit

Ⓑ NO. 19918 PERMA-GRIT* SANDER PLANE

For fast stock removal in sanding doors, windows, cabinet work, plastics, etc. Easily reversed 12" blade has 46 coarse grit on one side, 100 fine grit on other.

No. 19971 Replacement Blade for use on No. 19918 Sander Plane

Ⓒ PERMA-GRIT* FILES

For shaping, notching, fast stock removal of woods, plastics, rubber, etc. All files 14" long.

No. 18730 Flat File has coarse grit (46) on one side, medium-fine grit (80) on other side.
No. 19859 Contour File, ¾" radius, 46 coarse grit 1 side only.
No. 19860 Contour File, ¾" radius, 100 fine grit 1 side only.

Ⓓ PERMA-GRIT* SHEETS FOR POWER SANDERS

For use on electric oscillating or orbital sanders. Sand fast with less pressure. Grits available for all jobs. After long use can be cleaned with wire brush or solvent.

3-5/8" x 9" Sheets		4-1/2" x 11" Flat Sheets	
part no.	description	part no.	description
18703	36 coarse grit	20729	36 coarse grit
18702	80 medium-fine grit	20730	80 medium-fine grit
18701	100 fine grit	20732	150 extra fine grit
18700	150 extra-fine grit	20733	220 very fine grit
18704	220 very fine grit		

Ⓔ PERMA-GRIT* SANDING DISCS

For face disc sanding machines. Long life greatly reduces "downtime" for disc change-over . . . fast cutting.

part no.	dia. in.	description	part no.	dia. in.	description
19715	8	46 grit (coarse)	19727	10	46 grit (coarse)
19716	8	80 grit (medium-fine)	19728	10	80 grit, medium-fine)
19717	8	100 grit (fine)	19729	10	100 grit (fine)
19721	9	46 grit (coarse)	19733	12	46 grit (coarse)
19722	9	80 grit (medium-fine)	19734	12	80 grit (medium-fine)
19723	9	100 grit (fine)	19735	12	100 grit (fine)

No. 19972 Super-Grip Cement, required for mounting Perma-Grit Discs.

Ⓕ PERMA-GRIT* SLEEVES AND RODS

For oscillating spindle sanders. Sand very fast without "dishing out" like paper sleeves.

part no.	size, inches	grit	part no.	size, inches	grit
18816	⅛ x 5**	60	19104	⅛ x 5**	80
18817	3/16 x 5**	60	19105	3/16 x 5**	80
18818	¼ x 5**	60	19106	¼ x 5**	80
18710	¼ x 5	60	19111	¼ x 5	80
19175	⅜ x 6	60	19117	⅜ x 6	80
18711	½ x 6	60	19112	½ x 6	80
19176	⅝ x 6	60	19118	⅝ x 6	80
18712	¾ x 9	60	19113	¾ x 9	80
18713	1 x 9	46	19114	1 x 9	80
18714	1½ x 9	46	19115	1½ x 9	80
18715	2 x 9	46	19116	2 x 9	80
			19119	3 x 9	80

**Abrasive Rods

*Perma-Grit is a trademark of SKIL Corporation. Tungsten Carbide Abrasives Pat. No. 2,906,612.

Perma-Grit Brand Wheels and Blades are also available, see Page 12.

GENERAL AIR ACCESSORIES

CONNECTOR ACCESSORIES

for all Pneumatic Tools

Ⓐ AIR HOSES

High quality 8′ long hoses with male pipe threads at each end.

hose diameter	male pipe threads	part no.
¼″	¼″ and ⅛″	15382
5/16″	¼″ at each end	15848

Ⓑ **NO. 15390**—¼″ Female Socket, quick connector type, with valve that closes automatically when tool is detached.

Ⓒ **No. 15392**—¼″ Male plug quick connector
No. 15393—⅛″ Male plug quick connector
No. 15395—Line Oiler, ½-pint capacity, ¼″ female pipe threads.
No. 15396—Filter, ½-pint capacity, ¼″ female pipe threads.
No. 15397—Combination Oiler & Filter, each ½-pint capacity (15395 & 15396), supplies one tool.
No. 15398—Combination Pressure Regulator & Gage plus air regulator, ¼″ female pipe threads.

HAMMER ACCESSORIES

for use with Skil Air Hammers and other makes

Ⓓ NO. 15954 AIR REGULATOR

(Furnished as standard equipment)

For use when you wish to vary speed of Hammer by regulating amount of intake air. Attach between hammer handle and air line.

Ⓔ RIVET SETS (NO. 2 PARKER TAPER)

part no.	description	part no.	description
15058	1/16″ Round Head	15069	¼″ Button Head
15059	3/32″ Round Head	15082	1/16″ Brazier Head
15060	⅛″ Round Head	15083	3/32″ Brazier Head
15061	5/32″ Round Head	15084	⅛″ Brazier Head
15062	3/16″ Round Head	15085	5/32″ Brazier Head
15063	¼″ Round Head	15086	3/16″ Brazier Head
15064	1/16″ Button Head	15087	¼″ Brazier Head
15065	3/32″ Button Head	15071	1¼″ Mushroom Head
15066	⅛″ Button Head	15072	1⅞″ Mushroom Head
15067	5/32″ Button Head	15070*	⅝″ Plain Blank
15068	3/16″ Button Head		

*Furnished soft must be hardened after forming.

Ⓕ NAIL DRIVER ATTACHMENT

No. 16410—6 to 10-Penny Nail Driver
No. 16100—12 to 20-Penny Nail Driver
No. 12420—24 to 60-Penny Nail Driver

TOOL RETAINERS

No. 16118—Retainer Spring (For quick accessory change)
No. 16209—Retainer Spring

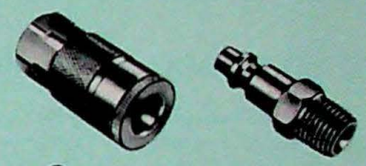
Ⓖ STAR DRILL AND CHUCK

part no.	description	part no.	description
15403	Star Drill Chuck	15406	½″ x 9″ Star Drill
15404	Drift Key	15407	⅝″ x 9″ Star Drill
15445	¼″ x 5″ Star Drill	15408	¾″ x 9″ Star Drill
15405	⅜″ x 5″ Star Drill		

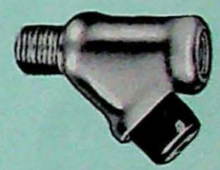
CHISELS

No. 15282—⅝″ x 7″ Chisel (Parker Taper)
No. 15298—⅝″ x 9⅞″ Chisel (Parker Taper)
No. 15416*—½″ x 7″ Chisel Blank (Parker Taper)
No. 15299—Punch (Parker Taper)
No. 15287—Scraper (Parker Taper)
No. 15288—Rivet Cutter (Parker Taper)
No. 15289—Panel Cutter (Parker Taper)
No. 15276—⅝″ x 7″ Chisel (⅜ Hex)
No. 15415*—½″ x 7″ Chisel Blank (⅜ Hex)
*Furnished soft must be hardened after forming.

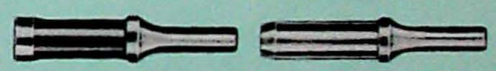
Ⓐ Air Hoses



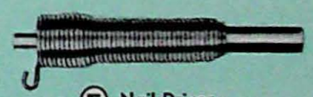
Ⓑ Female Socket Ⓒ Male Plug



Ⓓ Air Regulator



Ⓔ Rivet Sets



Ⓕ Nail Driver

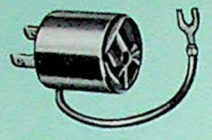
Ⓖ Star Drill and Chuck

For Air Polisher, Disc Sander and Grinder Accessories, See Pages 52, 53, 56, 57

GENERAL TOOL ACCESSORIES

Ⓐ EXTENSION CORDS

Ⓑ PLUGS



Ⓒ ADAPTER

Ⓓ LUBRICANTS

Ⓐ EXTENSION CORDS (heavy duty)

Manufactured of heavy-duty, flexible, stranded copper. All rubber covered . . . assures long life under severe outdoor service.

SKIL Power Tools, when used with extension cords, *require cords of sufficient gauge size to prevent harmful drop in voltage when tool is under load.* Distance from outlet governs size required. It is essential to use heavier gauge wire as distance from outlet increases.

3-conductor extension cords with new grounding type 115-volt plugs.			3-conductor extension cords less plugs.		
no.	length, ft.	gauge	no.	length, ft.	gauge
16146	50	16	432	50	14
16147	100	16	433	100	14
16148	50	14	434	50	12
16149	100	14	435	100	12
16150	50	12	436	100	10
16151	100	12			
16152	100	10			
with twist-lock plug—for chain saws					
11167	100	14			

How to Select the Proper Size Extension Cord

Sizes recommended below are minimum required under ideal conditions. To be sure of getting full motor power and protection, use next heavier gauge.

Recommended Extension Cords For Skil Tools

(wire sizes indicated are B. & S. gauge)

Extension Cord Length		Tool Nameplate Amp. Rating						
115 V	220 V	0 to 2	2.1 to 3.4	3.5 to 5	5.1 to 7	7.1 to 12	12.1 to 16	16.1 to 20
25 Ft.	50 Ft.	16	16	16	16	16	14	12
50 Ft.	100 Ft.	16	16	16	16	14	12	12
75 Ft.	150 Ft.	16	16	16	14	12	10	10
100 Ft.	200 Ft.	16	16	14	12	10	8	8
200 Ft.	400 Ft.	16	14	12	10	8	6	6
300 Ft.	600 Ft.	14	12	10	8	6	4	4
400 Ft.	800 Ft.	12	10	8	6	4	4	2
500 Ft.	1000 Ft.	12	10	8	6	4	2	2

Note: For other than 115 volt or 220 volt tools, contact your SKIL Distributor or nearest SKIL Factory Service Branch.

Ⓑ PLUGS

part no.		description	plug	for cord gauge up to
16153		new grounding type, 115 volts	male	14
16154			female	14
16284		new grounding type, 220 volts	male	14
16285			female	14
12912		twist-lock grounding type, 220 volts	male	14
12913			female	14
430			male	12
431			female	12

Ⓒ No. 13722 ADAPTER

Adapts new type 3-prong grounding plugs to standard 2-cavity outlets.

Ⓓ LUBRICANTS

Always use genuine SKIL Lubricants to insure positive lubrication even under severe operating conditions. *Refer to the Instruction Manual packed with specific tool for complete lubrication information.*

TYPE A — Oil Lubricant — for use on all SKIL Worm-Drive Saws and Worm-Drive Belt Sanders (except those built 16 or more years ago, which have no leather oil seals).

No. 249 — 5 oz. tube **No. 264** — pint can **No. 267** — ½ gal. can

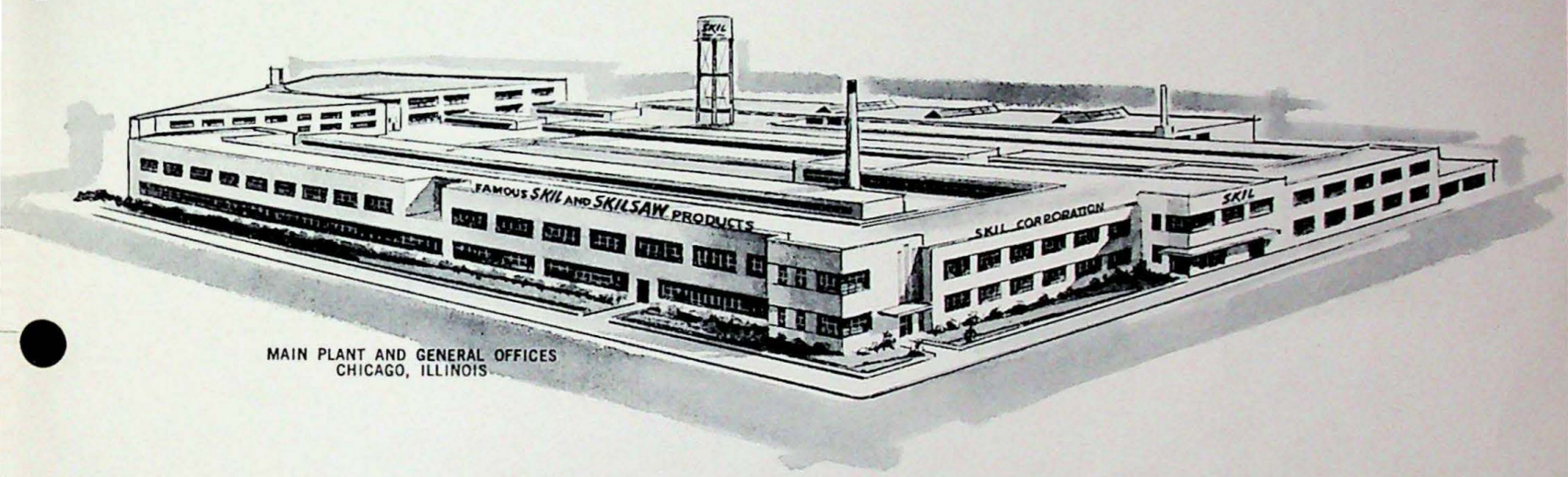
TYPE B — For use on SKIL Worm-Drive Saws and Belt Sanders that have no leather oil seals and were built 16 or more years ago.

No. 222 — 5 oz. tube **No. 221** — 2 lb. can

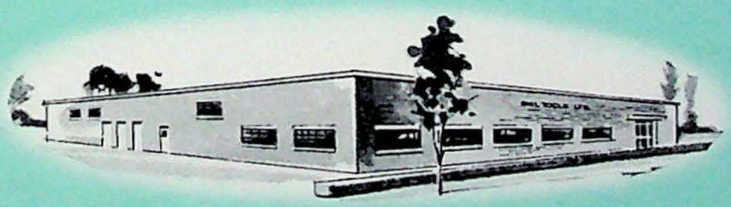
TYPE C — Grease Lubricant — for use on all SKIL Tools requiring GREASE lubrication.

No. 252 — 5 oz. tube **No. 251** — 2 lb. can

SKIL . . . world's leader in the development of new and better POWER TOOLS



MAIN PLANT AND GENERAL OFFICES
CHICAGO, ILLINOIS



SKILTOOLS LIMITED
TRENTON, ONTARIO, CANADA

SKIL N.V.
BREDA, THE NETHERLANDS

DIE CASTING PLANT
MAYWOOD, ILL.

SAW BLADE PLANT
MIDDLEPORT, N.Y.

CHUCK PLANT
HIALEAH, FLA.

WEST COAST WAREHOUSE
SAN LEANDRO, CALIF.

Skil products are precision-built in efficient, modern plants to give you more for your tool dollar.

QUICK-FIND INDEX

for quickly finding general Skil Tool sections of this catalog

PAGE	SECTION
4	SAWS, circular
12	SAWS, chain
13	SAW, jig
14	SAWS, recipro
16	HAMMERS
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22	SANDERS, belt
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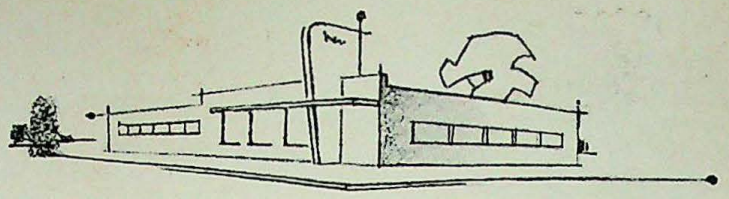
48	POLISHERS
50	SANDERS, disc
54	GRINDERS, die & portable
58	GRINDERS, bench
61	GRINDERS, valve seat
64	PERMA-GRIT PRODUCTS



COAST TO COAST
SKIL FACTORY SERVICE CENTERS

Each of the Skil Factory Service Centers listed below provides fast, expert servicing and repair of Skil Power Tools using only genuine original equipment replacement parts. This is part of our policy of helping you get maximum life and dollar savings from your Skil Power Tools.

LOCATION ADDRESS	PHONE NO.
Atlanta 18, Ga., 1890 Marietta Blvd., N.W.	SY 9-1421
Baltimore 18, Md., 2323 Greenmount Ave.	BE 5-5851
Birmingham 4, Ala., 806 N. Fifth Ave.	FA 2-6202
Boston, (Allston) 34, Mass., 151 Cambridge St.	AL 4-4560
Buffalo 11, N.Y., 570 E. Delavan Ave.	TX 5-1924
Charlotte 3, N. C., 1815 S. Tryon St.	FR 5-8429
Chicago 30, Ill., 5033 N. Elston Ave.	AV 6-2000
Chicago 52, Ill., 3259 W. Columbus Ave.	HE 6-1555
Cincinnati 29, Ohio, 1361 Tennessee Ave.	ME 1-8382
Cleveland 14, Ohio, 3038 Payne Ave.	MA 1-8136
Dallas 26, Texas, 4014 Elm St.	TA 4-1674
Denver 16, Colorado, 4462 York St.	MA 3-4195
DesMoines 16, Iowa, 3629 E. 14th St.	AM 2-8201
Detroit 21, Mich., 17160 Wyoming Ave.	UN 1-6652
Houston 3, Texas, 324 N. Hutcheson St.	CA 4-9178
Indianapolis 2, Ind., 1620 E. Riverside Dr.	ME 7-1375
Kansas City 8, Mo., 2007 Broadway	BA 1-1766
Los Angeles 7, Calif., 2730 S. Broadway	RI 8-1171
Memphis 4, Tenn., 558 S. Cooper St.	BR 6-4578
Miami 37, Florida, 4220 N.W. 2nd Ave.	PL 8-4717
Milwaukee 13, Wis., 9209 W. Bluemound Rd.	GL 3-1872
Minneapolis 5, Minn., 2207 Lyndale Ave., South	FE 9-4563
Newark (Hillside) 5, N. J., 611 U.S. Highway 22	MU 6-6350
New Orleans, La., 3501 Tchoupitoulas St.	TW 9-6300
New York 51, N.Y., 2810 Park Ave.	LU 5-6700
Oklahoma City 4, Okla., 1535 W. Reno St.	RE 6-0170
Philadelphia 38, Pa., 2135 Chew Ave.	VI 8-0686
Phoenix, Arizona, 3123 E. McDowell Road	BR 5-7242
Pittsburgh 1, Pa., 3221 Liberty Ave.	CO 1-6457
Portland 13, Oregon, 5616 N.E. Glisan St.	BE 4-7418
San Diego 10, Cal., 3492 Pickett St.	CY 7-3227
San Francisco 3, Cal., 285 S. VanNess Ave.	UN 3-1250
Seattle 9, Washington, 818 John Street	MA 4-3045
Spokane 24, Washington, E. 2226 Riverside	KE 5-1754
St. Louis 10, Mo., 1238 S. Vandeventer Ave.	JE 5-7424
Montreal 15, Quebec, Can., 480 Ogilvy Ave.	CR 7-6759
Toronto 9, Ontario, Can., 3601 Dundas St., W.	RO 6-2328
Vancouver 6, B. C., Can., 1606 E. Hastings	HA 3-9011
Mexico 6, D. F., Mexico, Abraham Gonzales No. 94	46-71-43

A TOTAL OF 106 SERVICE OUTLETS

In addition to the 39 SKIL Factory Service Centers listed above, there are 67 SKIL Authorized Service Stations located throughout the United States and Canada. See your phone book Yellow Pages under "Tools — Electric" for the location nearest you.

SKIL Corporation

5033 ELSTON AVE. **CHICAGO 30, ILL.**

WEST COAST WAREHOUSE: 1941 West Avenue 140th, San Leandro, Calif.

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